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An exploratory description of classifiers in South African sign language

Janse van Vuuren, Naomi

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Appendix A

Participant Information Sheet

Participant Information Sheet

RESEARCHER: Naomi Janse van Vuuren

I am a researcher at the University of the Witwatersrand, Johannesburg. I would like to invite you to participate in a study on ***Classifiers in South African Sign Language (SASL)***. This is a research project for my Masters degree. I have selected you because you have been teaching SASL at Wits University and you have an understanding of research projects and data collection. Please note that you will receive no payment for your participation in this study.

In this study I will look at the components of *classifiers* in SASL, including how the hands and face are used in combination. In order to do this, I need you to do the following which will take approximately 20 minutes:

1) Watch a Tom and Jerry cartoon (video clip)
2) Sign the story in SASL

I will look at the story you signed and identify the *classifiers*. I will then use a computer programme, ELAN, to describe the components of the *classifiers*. The nature of the research requires video clips and still frames of your face. This means that you will not be anonymous. You need to understand that the edited video clips and still-frames will be used in research outputs related to the Masters project, for example MA dissertation (hard copy and on-line), journal publications, conferences, public seminars and seminars for the Deaf community. You will also be invited to these seminars. All of these events will be associated with the University of the Witwatersrand. The videos and any raw data will not be distributed to any third parties or used for commercial purposes.

It is important for you to know that your participation in the study is entirely voluntary. You can ask questions for clarification at any time. If you decide to participate, you may withdraw from the study any time before data collection. You can choose not to answer any question

relating to your personal information. The personal information requested in the *Participant consent form* (**Part A**) will only be accessed by me and my two supervisors.

My supervisors are Dr Michiko Kaneko (SASL Department) and Dr Andrew van der Spuy (Linguistics Department). You can contact my supervisors or me at any time if you have questions:

Dr Michiko Kaneko:

1) Michiko.kaneko@wits.ac.za
2) 011-717 4014

Dr Andrew van der Spuy:

1) Andrew.vanderspuy@wits.ac.za
2) 011-717 4185

Naomi Janse van Vuuren:

1) naomi.jansevanvuuren@wits.ac.za
2) 011-717 4252 (Office)

If you decide to participate in the study, please let me know via e-mail. I am looking forward to hearing from your soon.

Regards,

_____

Naomi Janse van Vuuren

_____

Date

Appendix B

Participant Consent Form

Informed consent form

I, _____, acknowledge that I understand the research undertaken by Naomi Janse van Vuuren and that the research has been fully explained to me. I also understand that the information which I give to the researcher will be used in her MA dissertation and related research outputs. I am aware that I will not receive incentives in the form of payment resulting from participation in this research project.

I am aware that my participation in the study is entirely voluntary. I may withdraw from the study at any time before data collection. I also understand that I can choose not to answer any questions relating to my personal information.

I am aware that I will not have anonymity if I participate in this research. I am also aware that any personal information that I will disclose (**Part A** below) will only be accessed and used by the researcher and her supervisors.

By signing this form, I certify that **NAOMI JANSE VAN VUUREN** has explained the research project and that I consent to participate in it under the conditions described above and listed below.

PART A: PERSONAL INFORMATION

1	NAME	
2	AGE	
3	AGE AT ONSET OF DEAFNESS	

PART B: INFORMATION ABOUT THE RESEARCH

1	I agree to be filmed while signing a cartoon.	**YES**	**NO**

Signed: _____ Date: _____

Name (please print): _____

Appendix C

Ethics Clearance Form

Research Office

HUMAN RESEARCH ETHICS COMMITTEE (NON-MEDICAL)
R14/49 Janse van Vuuren

CLEARANCE CERTIFICATE	**PROTOCOL NUMBER H14/06/38**
PROJECT TITLE	Classifiers in South African sign language: An exploration of formational feature and grammatical function
INVESTIGATOR(S)	Ms N Janse van Vuuren
SCHOOL/DEPARTMENT	Languages, Literature and Media
DATE CONSIDERED	20 June 2014
DECISION OF THE COMMITTEE	Approved Unconditionally
EXPIRY DATE	03/07/2016

DATE 04/07/2014 **CHAIRPERSON** E.M. Tabeng
pp (Professor T Milani)

cc: Supervisor : Drs M Kaneko & A van der Spuy

DECLARATION OF INVESTIGATOR(S)

To be completed in duplicate and **ONE COPY** returned to the Secretary at Room 10000, 10th Floor, Senate House, University.

I/We fully understand the conditions under which I am/we are authorized to carry out the abovementioned research and I/we guarantee to ensure compliance with these conditions. Should any departure to be contemplated from the research procedure as approved I/we undertake to resubmit the protocol to the Committee. **I agree to completion of a yearly progress report.**

_____ **Signature**

___/___/___ **Date**

Appendix D

Group A – Excel Sheets

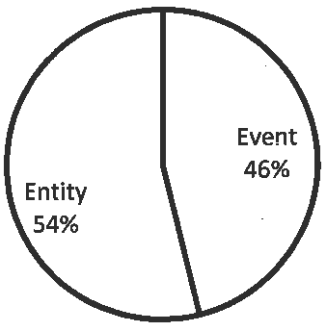
Group A (1): Classifier Handshapes, Referents and Gloss

Clip	Start Time	CL-ID	Group	QT	Gloss	CL	Ref
1	0.666	1	A	1	TREE-MANY	TREE	trees
1	18.786	7	A	1	EGG-BULGE	SPHERE	egg
2	10.590	13	A	1	PICK-UP-AND-LOOK-AT-CLOCK	WC	clock
2	16.770	15	A	1	THIS-EGG	SPHERE	egg
2	26.101	19	A	1	LEAVE-FROM-COVERED NEST	PL-H	nest
3	11.657	25	A	1	FORK-IN-TREE-BRANCH	PINKY-FORK	branch
3	33.660	30	A	1	PICK-UP-AND-LOOK-AT-CLOCK	WC	clock
4	13.785	35	A	1	TUMMY-RIGHT-SIDE-LIFT-LOOK-AT-OBJECT	SPHERE	tummy
4	15.229	36	A	1	LOOK-AT-EGG-THERE	SPHERE	egg
4	23.120	37	A	1	PICK-UP-AND-LOOK-AT-EGG-CURIOUS	SPHERE	egg
4	26.940	39	A	1	CLOCK-THERE	SPHERE	clock
4	28.562	40	A	1	(LOOK-AT-OBJECT)-EGG-THERE	SPHERE	egg
5	18.587	48	A	1	PICK-UP-AND-LOOK-AT-CLOCK	WC	clock
				13			

Group A (2): Overall Distribution of Concept Classes

Clip	Start Time	CL-ID	Group	QT	Gloss	CL HS	Referent	CC Property	CC Event	CC Entity	
3	10.590	13	A	1	PICK-UP-AND-LOOK-AT-CLOCK	WC	clock		1		
2	33.660	30	A	1	PICK-UP-AND-LOOK-AT-CLOCK	WC	clock		1		
3	18.587	48	A	1	PICK-UP-AND-LOOK-AT-CLOCK	WC	clock		1		
5	18.786	7	A	1	EGG-BULGE	SPHERE	egg		1		
4	23.120	37	A	1	PICK-UP-AND-LOOK-AT-EGG-CURIOUS	SPHERE	egg		1		0
1	13.785	35	A	1	TUMMY-RIGHT-SIDE-LIFT-LOOK-AT-OBJECT	SPHERE	tummy		1		
4	11.657	25	A	1	FORK-IN-TREE-BRANCH	PINKY-FORK	branch			1	
2	26.940	39	A	1	CLOCK-THERE	SPHERE	clock			1	
4	16.770	15	A	1	THIS-EGG	SPHERE	egg			1	
4	15.229	36	A	1	LOOK-AT-EGG-THERE	SPHERE	egg			1	
2	28.562	40	A	1	(LOOK-AT-OBJECT)-EGG-THERE	SPHERE	egg			1	
1	26.101	19	A	1	LEAVE-FROM-COVERED NEST	PL-H	nest			1	
4	0.666	1	A	1	TREE-MANY	TREE	trees			1	
				13				**0**	**6**	**7**	13

Even	6
Entit	7

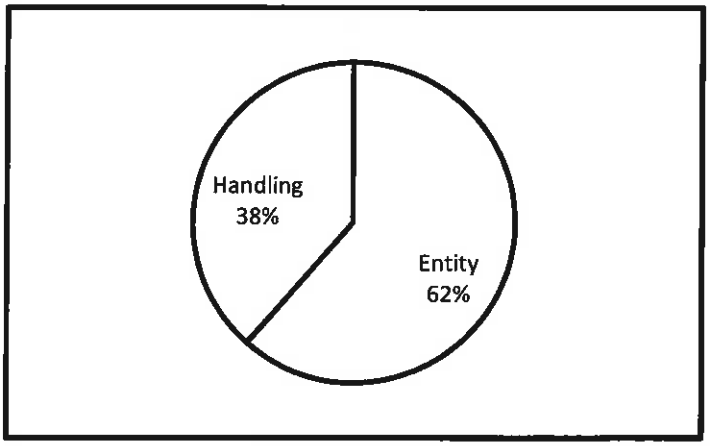


Clip	Start Time	CL-ID	Group	QT	CL HS	Referent	CC Property	CC Event	CCEntity	SASS	Entity CL	Handling CL
1	18.786	7	A	1	SPHERE	egg		1			1	
2	10.590	13	A	1	WC	clock		1				1
3	33.660	30	A	1	WC	clock		1				1
4	13.785	35	A	1	SPHERE	tummy		1				1
4	23.120	37	A	1	SPHERE	egg		1				1
5	18.587	48	A	1	WC	clock		1				1
1	0.666	1	A	1	TREE	trees			1		1	
2	16.770	15	A	1	SPHERE	egg			1		1	
2	26.101	19	A	1	PL-H	nest			1		1	
3	11.657	25	A	1	PINKY-FORK	branch			1		1	
4	15.229	36	A	1	SPHERE	egg			1		1	
4	26.940	39	A	1	SPHERE	clock			1		1	
4	28.562	40	A	1	SPHERE	egg			1		1	
				13			0	6	7	0	8	5

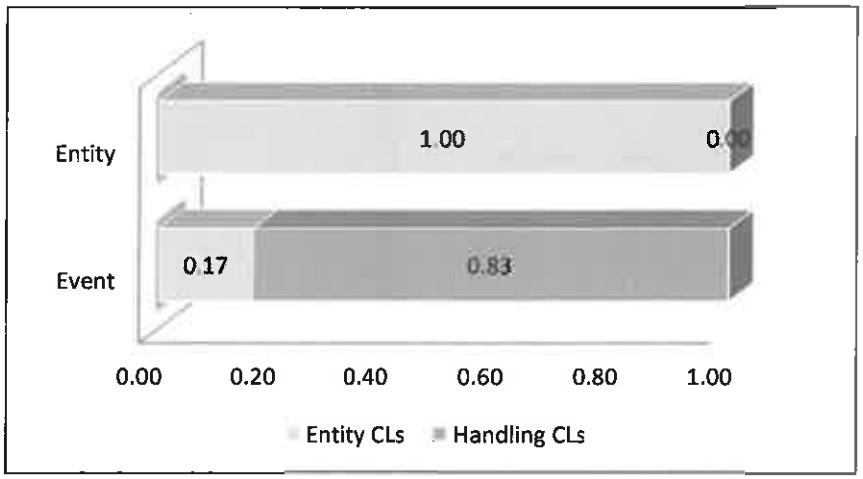
0

Overall Distribution

Entity	8
Handling	5



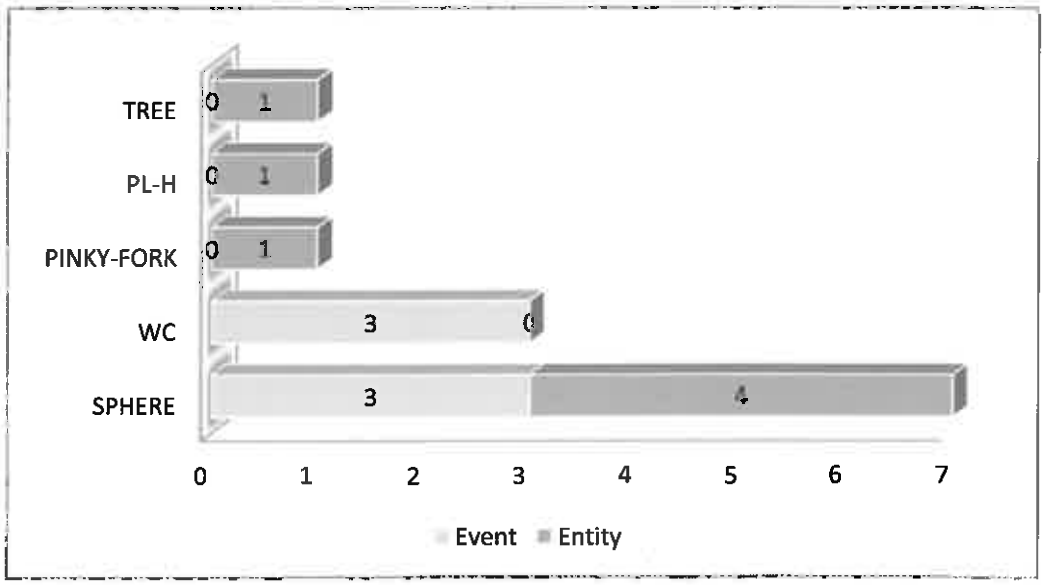
	Event	*Entity*
Entity CLs	0.17	1.00
Handling CLs	0.83	0.00



Group A (4): Distribution of CL Handshapes and Concept Classes

Clip	Start Time	CL-ID	Group	QT	CL HS	Referent	CC Property	CC Event	CCEntity
7	18.786	7	A	1	SPHERE	egg		1	
13	10.590	13	A	1	WC	clock		1	
30	33.660	30	A	1	WC	clock		1	
35	13.785	35	A	1	SPHERE	tummy		1	
37	23.120	37	A	1	SPHERE	egg		1	
48	18.587	48	A	1	WC	clock		1	
1	0.666	1	A	1	TREE	trees			1
15	16.770	15	A	1	SPHERE	egg			1
19	26.101	19	A	1	PL-H	nest			1
25	11.657	25	A	1	PINKY-FORK	branch			1
36	15.229	36	A	1	SPHERE	egg			1
39	26.940	39	A	1	SPHERE	clock			1
40	28.562	40	A	1	SPHERE	egg			1
				13			**0**	**6**	**7**

	Even	*Entity*
SPHERE	3	4
WC	3	0
PINKY-FORK	0	1
PL-H	0	1
TREE	0	1

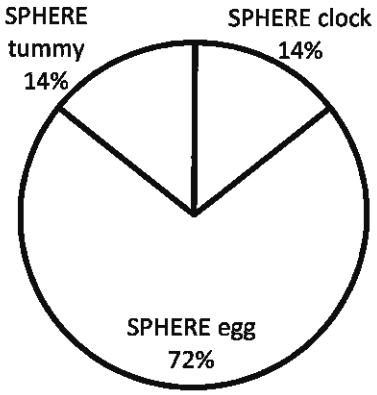


Group A (5): CL Handshapes and Referents

Clip	Start Time	CL-ID	Group	QT	CL HS	Referent		CC Property	CC Event	CCEntity
25	11.657	25	A	1	PINKY-FORK	branch	1			1
19	26.101	19	A	1	PL-H	nest	1			1
39	26.940	39	A	1	SPHERE	clock	1			1
7	18.786	7	A	1	SPHERE	egg	1		1	
15	16.770	15	A	1	SPHERE	egg	1			1
36	15.229	36	A	1	SPHERE	egg	1			1
37	23.120	37	A	1	SPHERE	egg	1		1	
40	28.562	40	A	1	SPHERE	egg	1			1
35	13.785	35	A	1	SPHERE	tummy	1		1	
1	0.666	1	A	1	TREE	trees	1			1
13	10.590	13	A	1	WC	clock	1		1	
30	33.660	30	A	1	WC	clock	1		1	
48	18.587	48	A	1	WC	clock	1		1	
				13				**0**	**6**	**7**

1 HS; Multiple Refs

SPHERE cloc	1
SPHERE egg	5
SPHERE tum	1

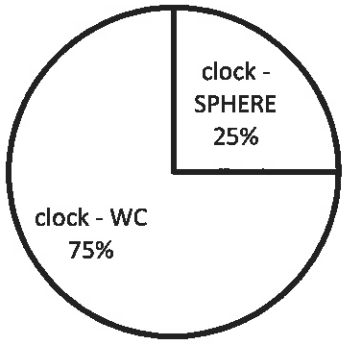


Group A (5): CL Handshapes and Referents

Clip	Start Time	CL-ID	Group	QT	CL HS	Referent		CC Property	CC Event	CCEntity
25	11.657	25	A	1	PINKY-FORK	branch	1			1
39	26.940	39	A	1	SPHERE	clock	1			1
13	10.590	13	A	1	WC	clock	1		1	
30	33.660	30	A	1	WC	clock	1		1	
48	18.587	48	A	1	WC	clock	1		1	
7	18.786	7	A	1	SPHERE	egg	1		1	
15	16.770	15	A	1	SPHERE	egg	1			1
36	15.229	36	A	1	SPHERE	egg	1			1
37	23.120	37	A	1	SPHERE	egg	1		1	
40	28.562	40	A	1	SPHERE	egg	1			1
19	26.101	19	A	1	PL-H	nest	1			1
1	0.666	1	A	1	TREE	trees	1			1
35	13.785	35	A	1	SPHERE	tummy	1		1	
				13				**0**	**6**	**7**

1 Ref; Mult HS

clock - SPHEI 1
clock - WC 3



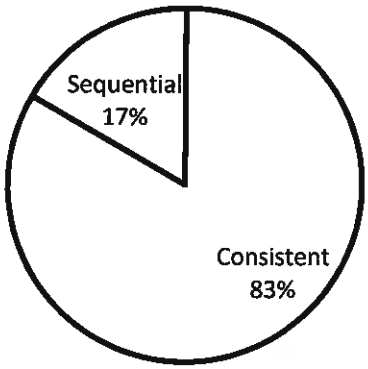
Group A (6): Eyegaze Focus - Sequential / Consistent + Across CC

Clip	Start Time	CL-ID	Group	QT	CL	Ref	CC Property	C-Class Event	C-Class Entity	Foc Consistent Overall	Foc Sequential Overall	Invisible
1	18.786	7	A	1	SPHERE	egg		1			1	
2	10.590	13	A	1	WC	clock		1		1		
3	33.660	30	A	1	WC	clock		1		1		
4	13.785	35	A	1	SPHERE	tummy		1		1		
4	23.120	37	A	1	SPHERE	egg		1		1		
5	18.587	48	A	1	WC	clock		1		1		
1	0.666	1	A	1	TREE	trees			1	1		
2	16.770	15	A	1	SPHERE	egg			1		1	
3	11.657	25	A	1	PINKY-FORK	branch			1	1		
4	15.229	36	A	1	SPHERE	egg			1	1		
4	26.940	39	A	1	SPHERE	clock			1	1		
4	28.562	40	A	1	SPHERE	egg			1	1		
~~2~~	~~26.101~~	~~19~~	A		~~PL-H~~	~~nest~~						
				12			0	6	6	10	2	0

Consistent and Sequential - Overall

Consisten 10

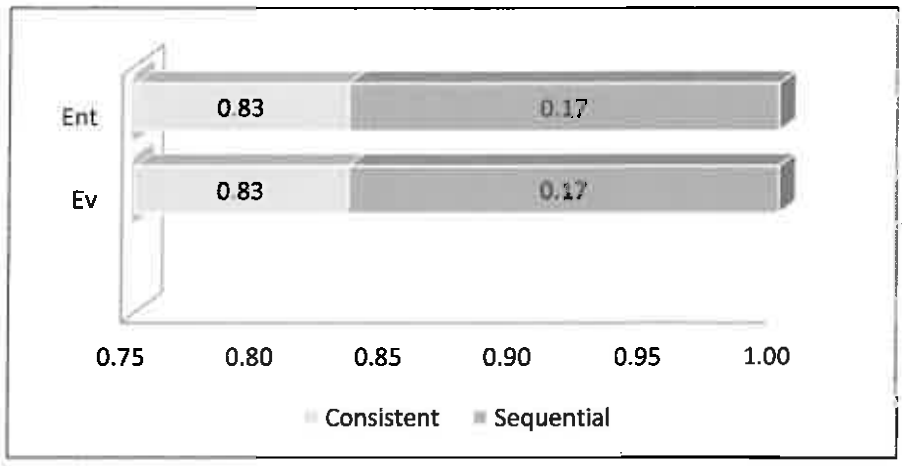
Sequentia 2



Group A (6): Eyegaze Focus - Sequential / Consistent + Across CC

Consistent x Sequential Eyegaze Focus across the three concept classes **Property x *Event* x *Entity* - *Sequential***

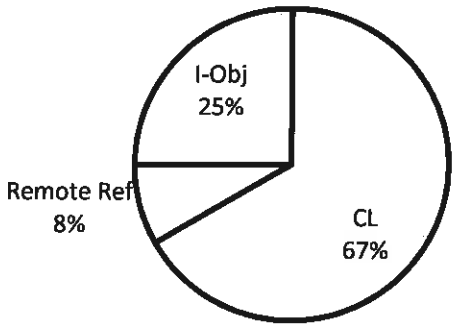
	Ev	*Ent*
Consistent	*0.83*	0.83
Sequential	*0.17*	0.17



Clip	Start Time	CL-ID	Group	QT	CL	Ref	CC Property	CC Event	CCEntity	Foc Consistent	Foc Sequential	Foc CL Whole	Foc CL	Total Focus CL	Foc Ref	Foc Remote Ref	Foc I-Obj	Foc Cam	Foc Invisible	TOTAL INSTANCES
1	13.786	7	A	1	SPHERE	egg		1			1		1	1				1		2
2	10.590	13	A	1	WC	clock		1		1			1	1						1
3	33.660	30	A	1	WC	clock		1		1			1	1						1
4	13.785	35	A	1	SPHERE	tummy		1		1				0			1			1
4	23.120	37	A	1	SPHERE	egg		1		1			1	1						1
5	18.587	48	A	1	WC	clock		1		1			1	1						1
1	0.666	1	A	1	TREE	trees			1	1				0		1				1
2	16.770	15	A	1	SPHERE	egg			1		1		1	1				1		2
3	11.657	25	A	1	PINKY-FORK	branch			1	1			1	1						1
4	15.229	36	A	1	SPHERE	egg			1	1			1	1						1
4	26.940	39	A	1	SPHERE	clock			1	1				0			1			1
4	28.562	40	A	1	SPHERE	egg			1	1				0			1			1
~~2~~	~~26.101~~	~~19~~	A		~~PL-H~~	~~nest~~								~~0~~						0
				12			0	6	6	10	2	0	8	8	0	1	3	2	0	14

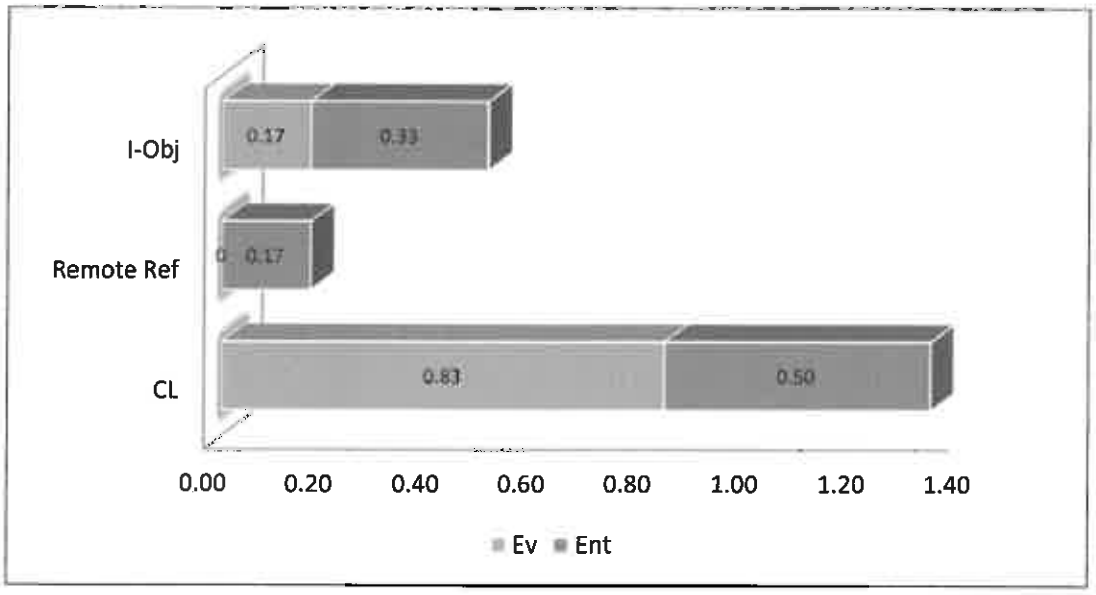
Focal Points

CL	8
Remote Ref	1
I-Obj	3



15 - 2 CL focus in CL-15

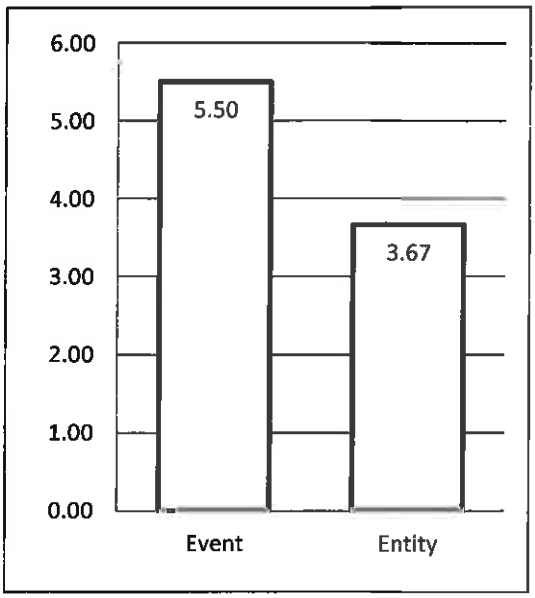
	Ev	*Ent*
CL	0.83	0.50
Remote Ref	0	0.17
I-Obj	0.17	0.33



Group A (8): Mouth and Face Actions - Overall and Concept Classes

Clip	Start Time	CL-ID	Group	QT	CL HS	Referent	CC Property	CC Event	CCEntity	MFA LP	MFA LPSlightly	MFA LPForward	MFA LPInward	MFA LPOpen	MFA LPSour	MFA LPSmile	Total LP	MFA LPBT	MFA Tongue Prtr	MFA TBTL	MFA Smile	Total All MFA(1)	Grand total MFA		
1	18.786	7	A	1	SPHERE	egg		1		1							1					1	6		
2	10.590	13	A	1	WC	clock		1		1							1					1	3		
3	33.660	30	A	1	WC	clock		1			1						1					1	3		
4	13.785	35	A	1	SPHERE	tummy		1								1	1	1				2	8		
4	23.120	37	A	1	SPHERE	egg		1									0	1				1	6		
5	18.587	48	A	1	WC	clock		1			1			1			2					2	7		
1	0.666	1	A	1	TREE	trees			1								0					0	1		
2	16.770	15	A	1	SPHERE	egg			1	1				1			2		2	1		5	10		
3	11.657	25	A	1	PINKY-FORK	branch			1							1	1					1	2		
4	15.229	36	A	1	SPHERE	egg			1								0	1				1	2		
4	26.940	39	A	1	SPHERE	clock			1							1	1					1	3		
4	28.562	40	A	1	SPHERE	egg			1								0				2	2	4		
~~2~~	~~26.101~~	~~19~~	~~A~~	~~1~~	~~PL-H~~	~~nest~~																			
							0	6	6	3	2	0	0	2	0	3	10	3	2	1	2	18	55		

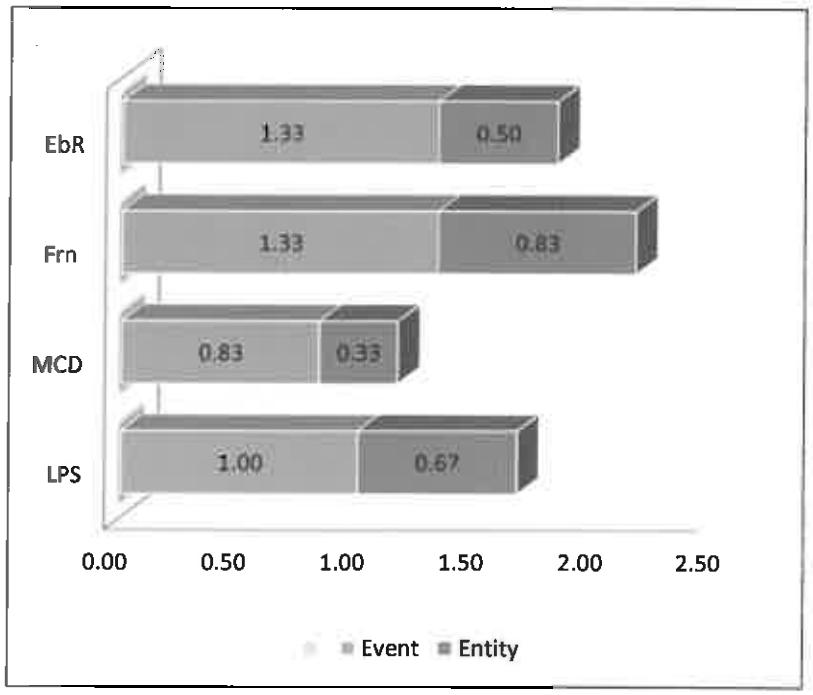
	Event	*Entity*
MFA	5.50	3.67



Group A (8): Mouth and Face Actions - Overall and Concept Classes

	Clip	Start Time	CL-ID	Group	QT	CL HS	Referent	CC Property	CC Event	CCEntity	MFA MCD	MFABIG	MFA EA	MFA SA	MFA CPf	MFA CH	MFA WrNse	MFA Frn	MFA Sq	MFA EbR	Total All MFA (2)
	1	18.786	7	A	1	SPHERE	egg		1				1		1			2		1	5
	2	10.590	13	A	1	WC	clock		1		1									1	2
	3	33.660	30	A	1	WC	clock		1									1		1	2
	4	13.785	35	A	1	SPHERE	tummy		1		2							2		2	6
	4	23.120	37	A	1	SPHERE	egg		1					1			1	2		1	5
	5	18.587	48	A	1	WC	clock		1		2							1		2	5
	1	0.666	1	A	1	TREE	trees			1		1									1
	2	16.770	15	A	1	SPHERE	egg			1	1							3		1	5
	3	11.657	25	A	1	PINKY-FORK	branch			1										1	1
	4	15.229	36	A	1	SPHERE	egg			1								1			1
	4	26.940	39	A	1	SPHERE	clock			1	1							1			2
	4	28.562	40	A	1	SPHERE	egg			1				1						1	2
	~~2~~	~~26.101~~	~~19~~	*A*	~~1~~	~~PL-H~~	~~nest~~														
					13			0	6	6	7	1	1	2	1	0	1	13	0	11	37

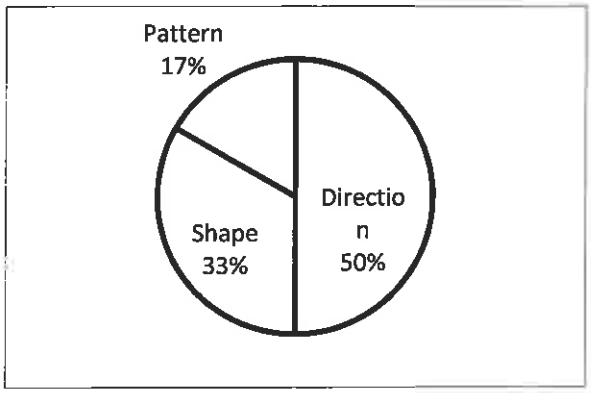
	Event	*Entity*
LPS	1.00	0.67
MCD	0.83	0.33
Frn	1.33	0.83
EbR	1.33	0.50



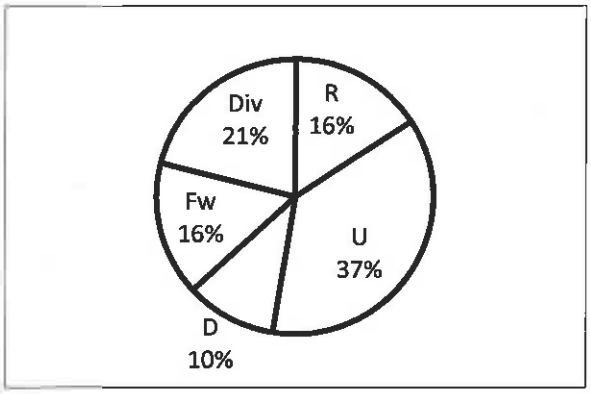
Group A (9): Movement Overall

Clip	Start Time	CL-ID	Group	QT	CL	Ref	CC Property	CC Event	CCEntity	MVtPD Left	MVtPD Right	MVtPD Up	MVtPD Down	MVtPD Forward	MVtPD Backward	MVtPD Convergent	MVtPD Divergent	MVtPS Arc	MvtPS Circle	MvtPS Line	Mvt Pat ALT	Mvt Pat BEND	Mvt Pat BOUNCE	Mvt Pat CLOSE	Mvt Pat CO	Mvt Pat OPEN	Mvt Pat RUB	Mvt Pat WIG
1	18.786	7	A	1	SPHERE	egg		1					1					1								1		
2	10.590	13	A	1	WC	clock		1			1	1						1							1			
3	33.660	30	A	1	WC	clock		1				1						1							1			
4	13.785	35	A	1	SPHERE	tummy		1			1	1								1								
4	23.120	37	A	1	SPHERE	egg		1																				
5	18.587	48	A	1	WC	clock		1				1						1							1			
1	0.666	1	A	1	TREE	trees			1		1			1						1								1
2	16.770	15	A	1	SPHERE	egg			1			1								1								
2	26.101	19	A	1	PL-H	nest			1																			
3	11.657	25	A	1	PINKY-FORK	branch			1																			
4	15.229	36	A	1	SPHERE	egg			1				1	1						1								
4	26.940	39	A	1	SPHERE	clock			1			1								1								
4	28.562	40	A	1	SPHERE	egg			1			1		1						1								
				13			**0**	**6**	**7**	**0**	**3**	**7**	**2**	**3**	**0**	**0**	**0**	**4**	**0**	**6**	**0**	**0**	**0**	**0**	**3**	**1**	**0**	**1**

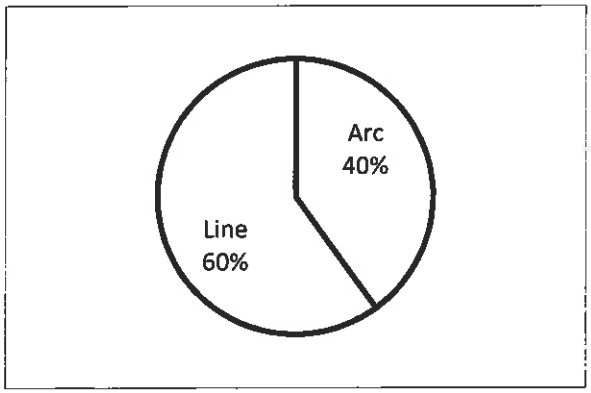
Direction	15
Shape	10
Pattern	5



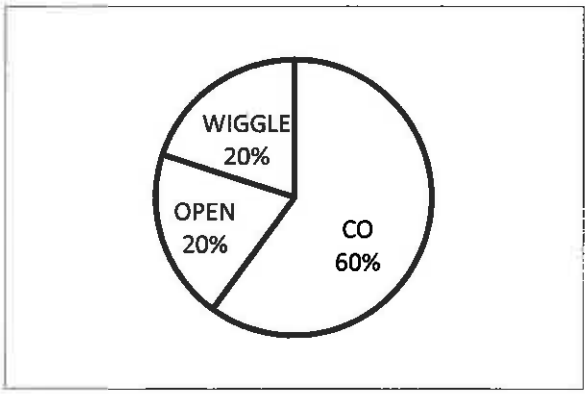
Direction	
R	3
U	7
D	2
Fw	3
Div	4



Shape	
Arc	4
Line	6



Pattern	
CO	3
OPEN	1
WIGGLE	1

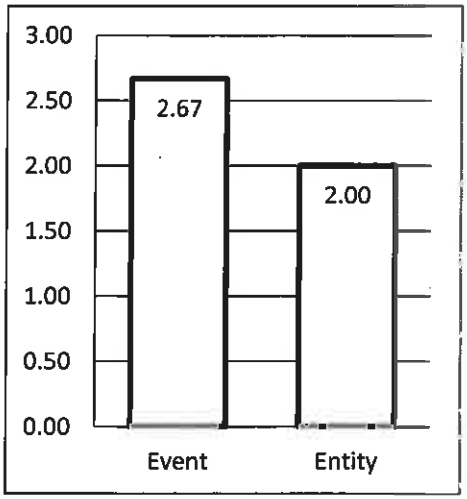


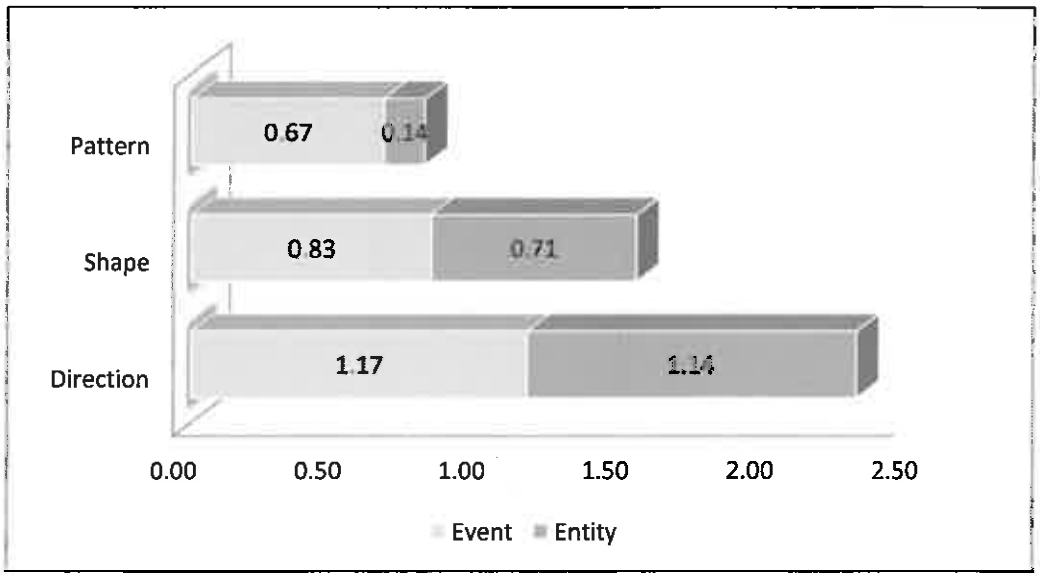
Clip	Start Time	CL-ID	Group	QT	CL	Ref	CC Property	CC Event	CCEntity	MVtPD Left	MVtPD Right	MVtPD Up	MVtPD Down	MVtPD Forward	MVtPD Backward	MVtPD Convergent	MVtPD Divergent	MvtPS Arc	MvtPS Circle	MvtPS Line	Mvt Pat ALT	Mvt Pat BEND	Mvt Pat BOUNCE	Mvt Pat CLOSE	Mvt Pat CO	Mvt Pat OPEN	Mvt Pat RUB	Mvt Pat WIG
1	18.786	7	A	1	SPHERE	egg		1					1					1								1		
2	10.590	13	A	1	WC	clock		1			1	1						1							1			
3	33.660	30	A	1	WC	clock		1				1						1							1			
4	13.785	35	A	1	SPHERE	tummy		1			1	1								1								
4	23.120	37	A	1	SPHERE	egg		1																				
5	18.587	48	A	1	WC	clock		1				1						1							1			
1	0.666	1	A	1	TREE	trees			1		1			1						1								1
2	16.770	15	A	1	SPHERE	egg			1			1								1								
2	26.101	19	A	1	PL-H	nest			1																			
3	11.657	25	A	1	PINKY-FORK	branch			1																			
4	15.229	36	A	1	SPHERE	egg			1				1	1						1								
4	26.940	39	A	1	SPHERE	clock			1			1								1								
4	28.562	40	A	1	SPHERE	egg			1			1		1						1								
				13			0	6	7	0	3	7	2	3	0	0	0	4	0	6	0	0	0	0	3	1	0	1

Overall

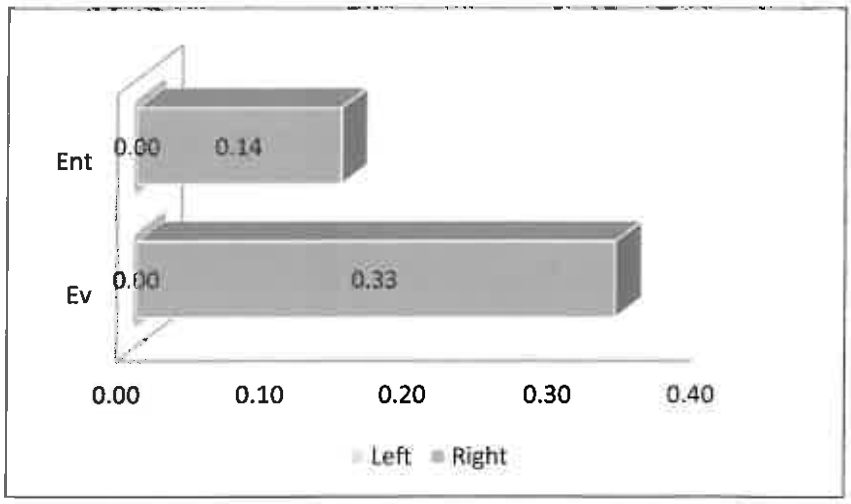
Event	**2.67**
Entity	**2.00**

	Event	*Entity*
Directi	1.17	1.14
Shape	0.83	0.71
Patterı	0.67	0.14

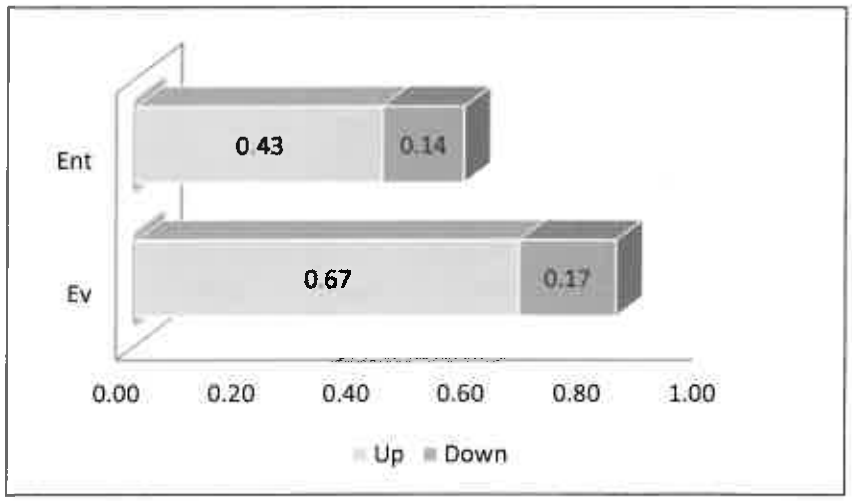




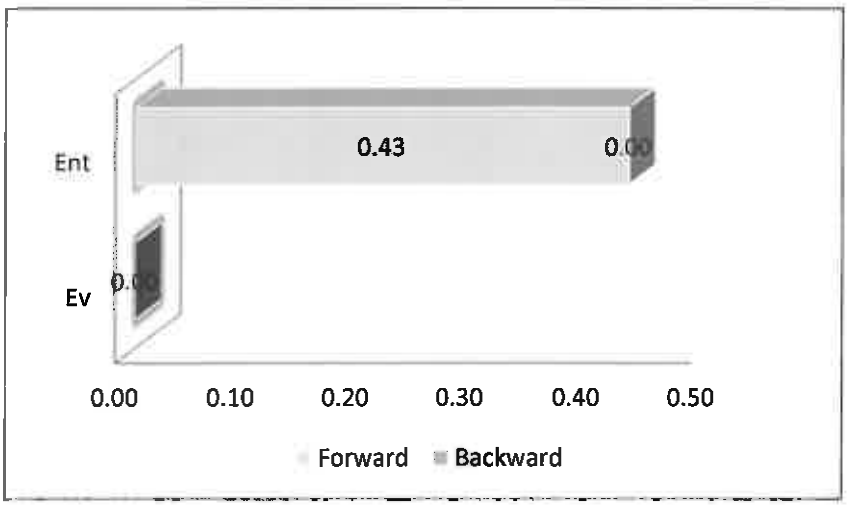
	Ev	*Ent*
Left	0.00	0.00
Right	0.33	0.14



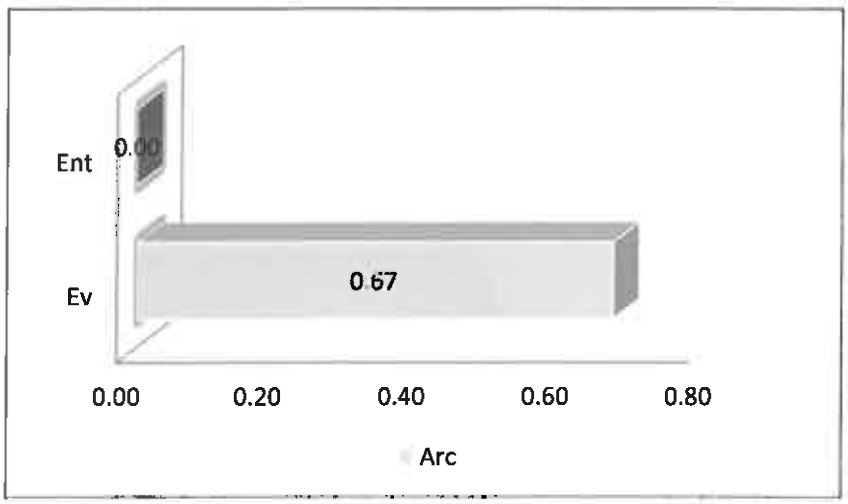
	Ev	*Ent*
Up	0.67	0.43
Down	0.17	0.14



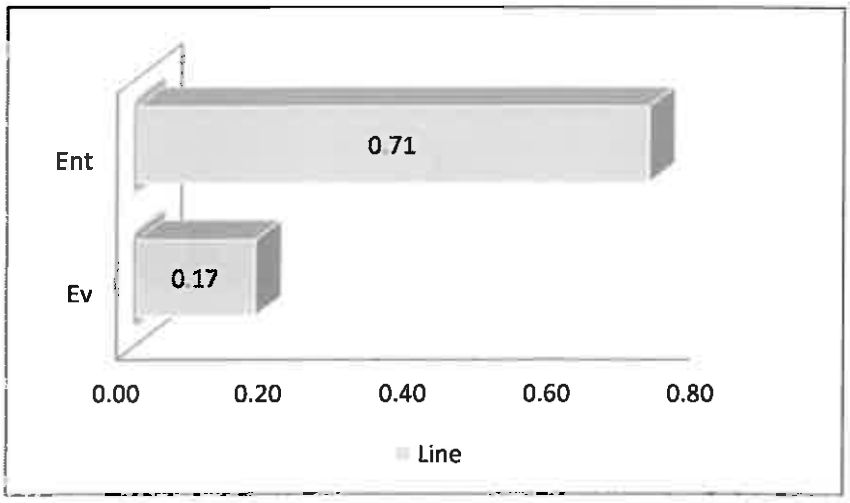
	Ev	*Ent*
Forward	0.00	0.43
Backward	0.00	0.00



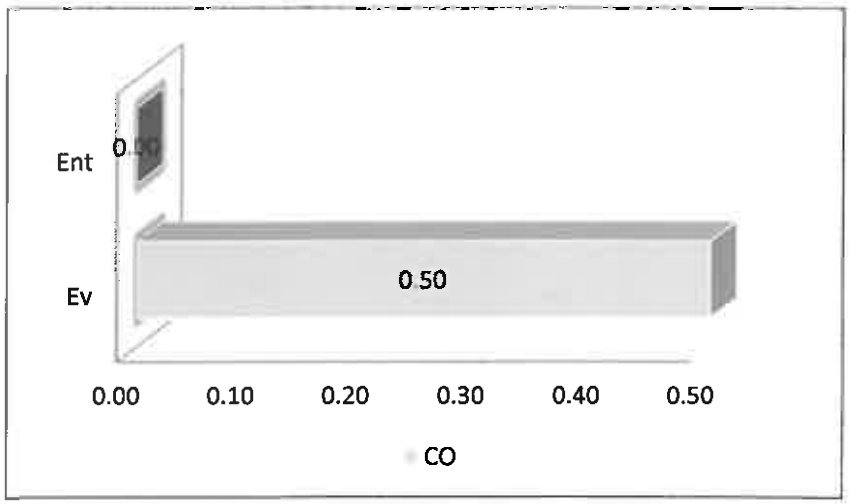
	Ev	*Ent*
Arc	0.67	0.00



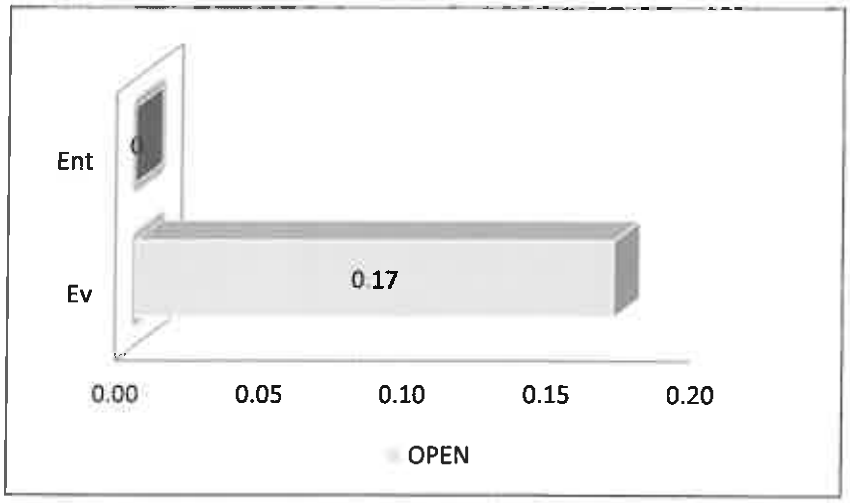
	Ev	*Ent*
Line	0.17	0.71



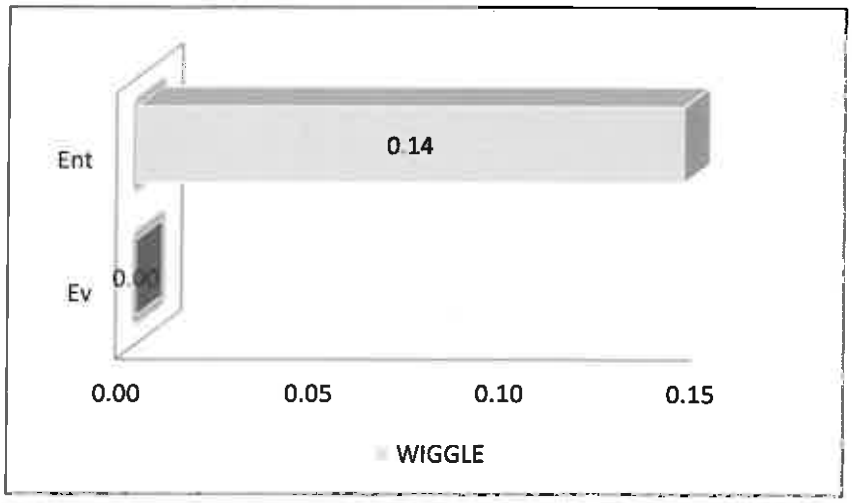
	Ev	*Ent*
CO	**0.50**	**0.00**



	Ev	*Ent*
OPEN	**0.17**	**0**



	Ev	*Ent*
WIGGLE	**0.00**	**0.14**



Appendix E

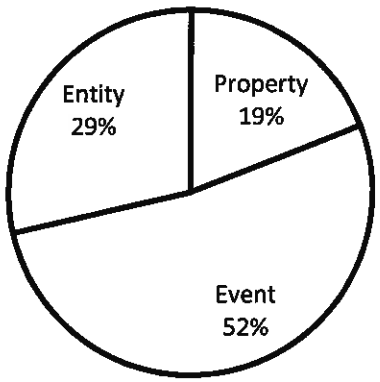
Group B – Excel Sheets

Start Time	CL-ID	Group	QT	Gloss	CL	Ref
2.120	2	B	1	GRASS-LOTS	EXP-GROWTH	grass
4.190	3	B	1	CLOUDS-MANY-IN-SKY	SPHERE	clouds
12.301	5	B	1	NEST	SPHERE	nest
13.241	6	B	1	KNIT	STK	needles
24.849	10	B	1	COVER-EGG	BB (Bent B)	egg
3.401	11	B	1	NEST	WO	nest
22.510	17	B	1	WRAP-EGG-WITH-BLANKET	CB (Alt)	blanket
24.249	18	B	1	BIRD-CLAW-BLANKET-STRETCH	WS	blanket
0.810	21	B	1	SURROUNDINGS-BIG	PL-H-WIDE	surroundings
2.460	22	B	1	GRASS-LOTS	EXP-GROWTH	grass
4.090	23	B	1	EARTH-LOTS	FO	earth
5.530	24	B	1	TREE-MANY	TREE (Alt)	trees
13.970	27	B	1	NEST	C-BENT-5 (CLOSED BENT 5)	nest
24.430	29	B	1	EGG-BULGE	SPHERE	egg
5.060	32	B	1	BUM-SIT-DOWN-ON-EGG	SPHERE	bum
7.060	33	B	1	BUM-WIGGLE	SPHERE	bum
23.770	38	B	1	COVER-EGG-WITH-BUM	SPHERE	bum
3.800	42	B	1	NEST	SPHERE	nest
8.110	44	B	1	SEW-SMALL-PANTS	TE	sewing needle
8.796	45	B	1	BIRD-PULL-UP-LEGS	STK	legs
9.806	46	B	1	MOVE-TUMMY-LEFT	SPHERE	tummy
19.421	49	B	1	PULL-UP-RIGHT-LEG-PULL-UP-LEFT-LEG	STK (Alt)	legs
			22			

Group B (2): Overall Distribution of Concept Classes

Clip	Start Time	CL-ID	Group	QT	Gloss	CL HS	Referent	CC Property	CC Event	CC Entity	
1	24.849	10	B	1	COVER-EGG	BB (Bent B)	egg	**0**	**0**		
1	4.190	3	B	1	CLOUDS-MANY-IN-SKY	SPHERE	clouds	1			
1	12.301	5	B	1	NEST	SPHERE	nest	1			
3	13.970	27	B	1	NEST	C-BENT-5	nest	1			
5	3.800	42	B	1	NEST	SPHERE	nest	1			
1	13.241	6	B	1	KNIT	STK	needles		1		
2	22.510	17	B	1	WRAP-EGG-WITH-BLANKET	CB (Alt)	blanket		1		
2	24.249	18	B	1	BIRD-CLAW-BLANKET-STRETCH	WS	blanket		1		
3	24.430	29	B	1	EGG-BULGE	SPHERE	egg		1		
4	5.060	32	B	1	BUM-SIT-DOWN-ON-EGG	SPHERE	bum		1		
4	7.060	33	B	1	BUM-WIGGLE	SPHERE	bum		1		
4	23.770	38	B	1	COVER-EGG-WITH-BUM	SPHERE	bum		1		
5	8.110	44	B	1	SEW-SMALL-PANTS	TE	sewing needle		1		
5	8.796	45	B	1	BIRD-PULL-UP-LEGS	STK	legs		1		
5	9.806	46	B	1	MOVE-TUMMY-LEFT	SPHERE	tummy		1		
5	19.421	49	B	1	PULL-UP-RIGHT-LEG-PULL-UP-LEFT-LEG	STK (Alt)	legs		1		
1	2.120	2	B	1	GRASS-LOTS	EXP-GROWTH	grass			1	
2	3.401	11	B	1	NEST	WO	nest			1	
3	0.810	21	B	1	SURROUNDINGS-BIG	PL-H-WIDE	surroundings			1	11
3	2.460	22	B	1	GRASS-LOTS	EXP-GROWTH	grass			1	
3	4.090	23	B	1	EARTH-LOTS	FO	earth			1	
3	5.530	24	B	1	TREE-MANY	TREE (Alt)	trees			1	
				22				**4**	**11**	**6**	21

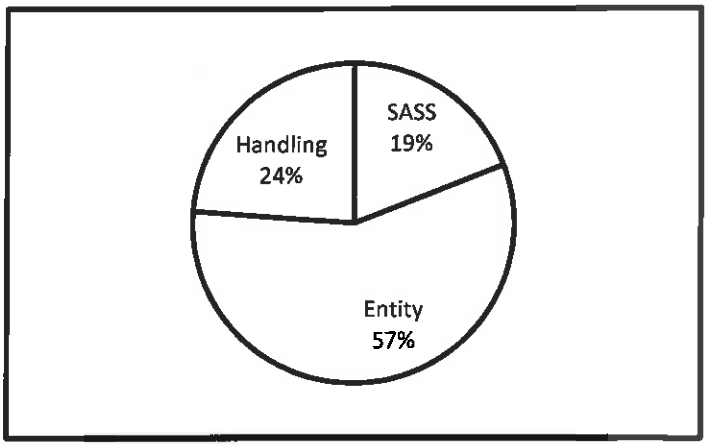
Property	4
Event	11
Entity	6



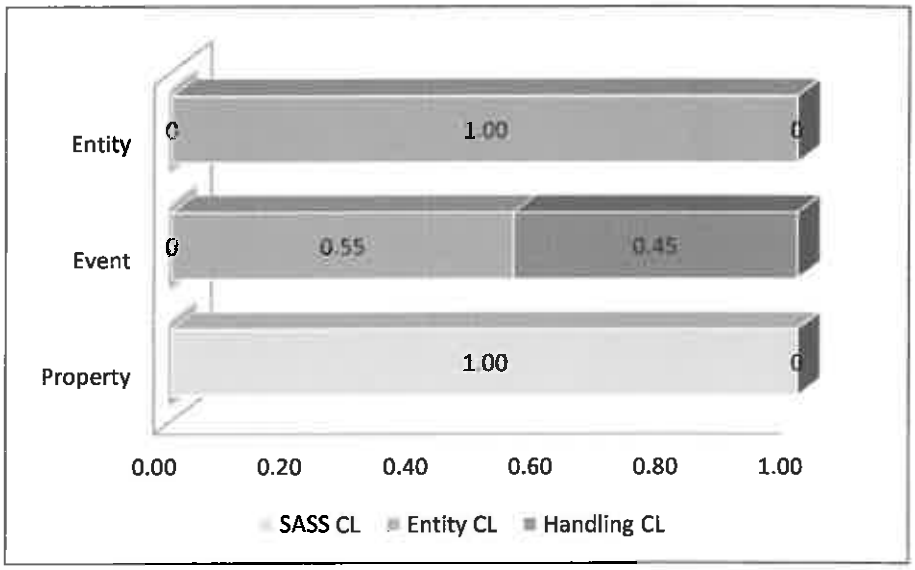
Clip	Start Time	CL-ID	Group	QT	CL HS	Referent	CC Property	CC Event	CC Entity	SASS	Entity CL	Handling CL
1	24.849	10	B	1	BB (Bent B)	egg	0	0				0
1	4.190	3	B	1	SPHERE	clouds	1			1		
1	12.301	5	B	1	SPHERE	nest	1			1		
3	13.970	27	B	1	C-BENT-5	nest	1			1		
5	3.800	42	B	1	SPHERE	nest	1			1		
1	13.241	6	B	1	STK	needles		1				1
2	22.510	17	B	1	CB (Alt)	blanket		1				1
2	24.249	18	B	1	WS	blanket		1				1
3	24.430	29	B	1	SPHERE	egg		1			1	
4	5.060	32	B	1	SPHERE	bum		1			1	
4	7.060	33	B	1	SPHERE	bum		1			1	
4	23.770	38	B	1	SPHERE	bum		1			1	
5	8.110	44	B	1	TE	sewing needle		1				1
5	8.796	45	B	1	STK	legs		1			1	
5	9.806	46	B	1	SPHERE	tummy		1				1
5	19.421	49	B	1	STK (Alt)	legs		1			1	
1	2.120	2	B	1	EXP-GROWTH	grass			1		1	
2	3.401	11	B	1	WO	nest			1		1	
3	0.810	21	B	1	PL-H-WIDE	surroundings			1		1	
3	2.460	22	B	1	EXP-GROWTH	grass			1		1	
3	4.090	23	B	1	FO	earth			1		1	
3	5.530	24	B	1	TREE (Alt)	trees			1		1	
				22			4	11	6	4	12	5

Overall Distribution

SASS	4
Entity	12
Handling	5

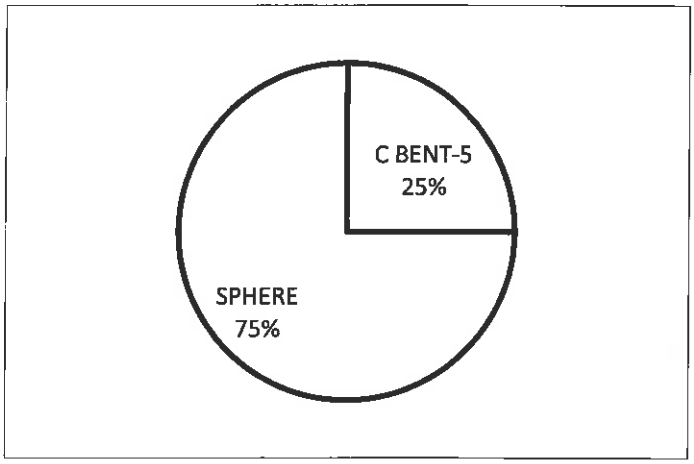


	Property	*Event*	*Entity*
SASS CL	1.00	0	0
Entity CL	0	0.55	1.00
Handling CL	0	0.45	0

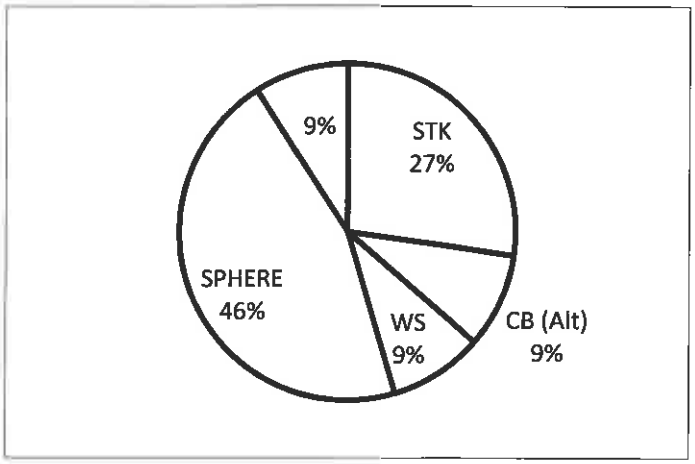


Clip	Start Time	CL-ID	Group	QT	CL HS	Referent	CC Property	CC Event	CC Entity
3	4.190	3	B	1	SPHERE	clouds	1		
5	12.301	5	B	1	SPHERE	nest	1		
27	13.970	27	B	1	C BENT-5	nest	1		
42	3.800	42	B	1	SPHERE	nest	1		
6	13.241	6	B	1	STK	knitting needles		1	
17	22.510	17	B	1	CB (Alt)	blanket		1	
18	24.249	18	B	1	WS	blanket		1	
29	24.430	29	B	1	SPHERE	egg		1	
32	5.060	32	B	1	SPHERE	bum		1	
33	7.060	33	B	1	SPHERE	bum		1	
38	23.770	38	B	1	SPHERE	bum		1	
44	8.110	44	B	1	TE	sewing needle		1	
45	8.796	45	B	1	STK	legs		1	
46	9.806	46	B	1	SPHERE	tummy		1	
49	19.421	49	B	1	STK (Alt)	legs		1	
2	2.120	2	B	1	EXP-GROWTH	grass			1
11	3.401	11	B	1	WO	nest			1
21	0.810	21	B	1	PL-H-WIDE	surroundings			1
22	2.460	22	B	1	EXP-GROWTH	grass			1
23	4.090	23	B	1	FO	earth			1
24	5.530	24	B	1	TREE (Alt)	trees			1
10	24.849	10	B	1	BB (Part 5)	egg			
				22			**4**	**11**	**6**

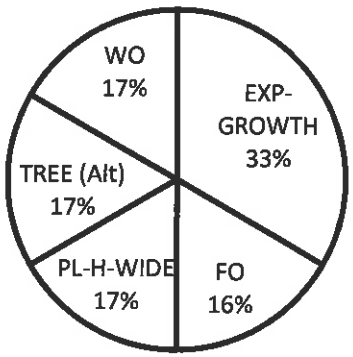
CC Property	
C BENT-5	1
SPHERE	3



CC Event	
STK	3
CB (Alt)	1
WS	1
SPHERE	5
TE	1



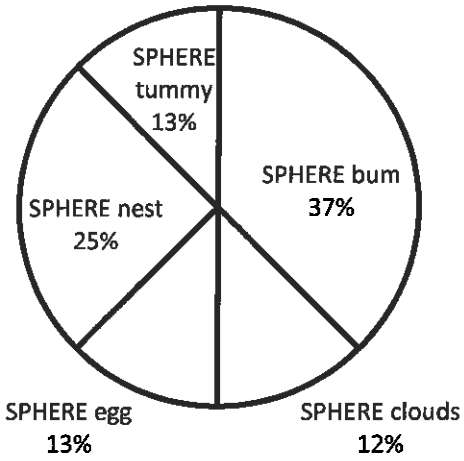
CC Entity	
EXP-GROWTH	2
FO	1
PL-H-WIDE	1
TREE (Alt)	1
WO	1



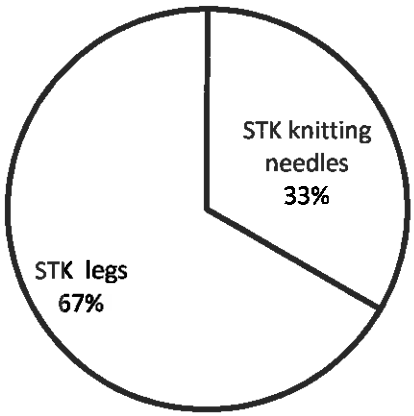
Clip	Start Time	CL-ID	Group	QT	CL HS	Referent		CC Property	CC Event	CC Entity
10	24.849	10	B		BB (Bent B)	egg				
27	13.970	27	B	1	C BENT-5	nest	1	1		
17	22.510	17	B	1	CB (Alt)	blanket	1		1	
2	2.120	2	B	1	EXP-GROWTH	grass	1			1
22	2.460	22	B	1	EXP-GROWTH	grass	1			1
23	4.090	23	B	1	FO	earth	1			1
21	0.810	21	B	1	PL-H-WIDE	surroundings	1			1
33	7.060	33	B	1	SPHERE	bum	1		1	
32	5.060	32	B	1	SPHERE	bum	1		1	
38	23.770	38	B	1	SPHERE	bum	1		1	
3	4.190	3	B	1	SPHERE	clouds	1	1		
29	24.430	29	B	1	SPHERE	egg	1		1	
5	12.301	5	B	1	SPHERE	nest	1	1		
42	3.800	42	B	1	SPHERE	nest	1	1		
46	9.806	46	B	1	SPHERE	tummy	1		1	
6	13.241	6	B	1	STK	knitting needles	1		1	
45	8.796	45	B	1	STK	legs	1		1	
49	19.421	49	B	1	STK (Alt)	legs	1		1	
44	8.110	44	B	1	TE	sewing needle	1		1	
24	5.530	24	B	1	TREE (Alt)	trees	1			1
11	3.401	11	B	1	WO	nest	1			1
18	24.249	18	B	1	WS	blanket	1		1	
				21				4	11	6

1 HS; Multiple Refs

SPHERE bum	3
SPHERE clouds	1
SPHERE egg	1
SPHERE nest	2
SPHERE tummy	1



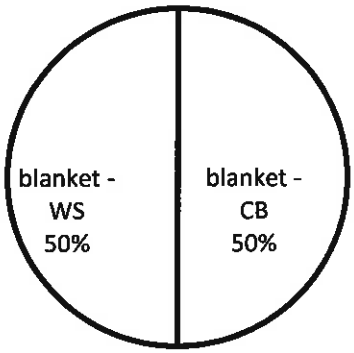
STK knitting needl	1
STK legs	2



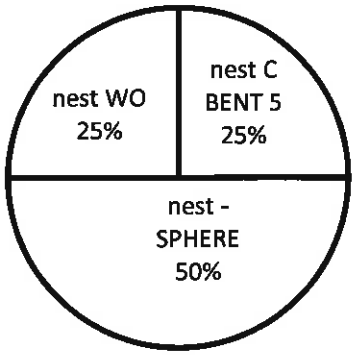
Clip	Start Time	CL-ID	Group	QT	CL HS	Referent		CC Property	CC Event	CC Entity
17	22.510	17	B	1	CB (Alt)	blanket	1		1	
18	24.249	18	B	1	WS	blanket	1		1	
33	7.060	33	B	1	SPHERE	bum	1		1	
32	5.060	32	B	1	SPHERE	bum	1		1	
38	23.770	38	B	1	SPHERE	bum	1		1	
3	4.190	3	B	1	SPHERE	clouds	1	1		
23	4.090	23	B	1	FO	earth	1			1
10	24.849	10	B	1	BG (Ident B)	egg				
29	24.430	29	B	1	SPHERE	egg	1		1	
2	2.120	2	B	1	EXP-GROWTH	grass	1			1
22	2.460	22	B	1	EXP-GROWTH	grass	1			1
6	13.241	6	B	1	STK	knitting needles	1		1	
45	8.796	45	B	1	STK	legs	1		1	
49	19.421	49	B	1	STK (Alt)	legs	1		1	
27	13.970	27	B	1	C BENT-5	nest	1	1		
5	12.301	5	B	1	SPHERE	nest	1	1		
42	3.800	42	B	1	SPHERE	nest	1	1		
11	3.401	11	B	1	WO	nest	1			1
44	8.110	44	B	1	TE (Alt)	sewing needle	1		1	
21	0.810	21	B	1	PL-H-WIDE	surroundings	1			1
24	5.530	24	B	1	TREE (Alt)	trees	1			1
46	9.806	46	B	1	SPHERE	tummy	1		1	
				22				**4**	**11**	**6**

1 Ref; Mult HS

blanket - CB 1
blanket - WS 1



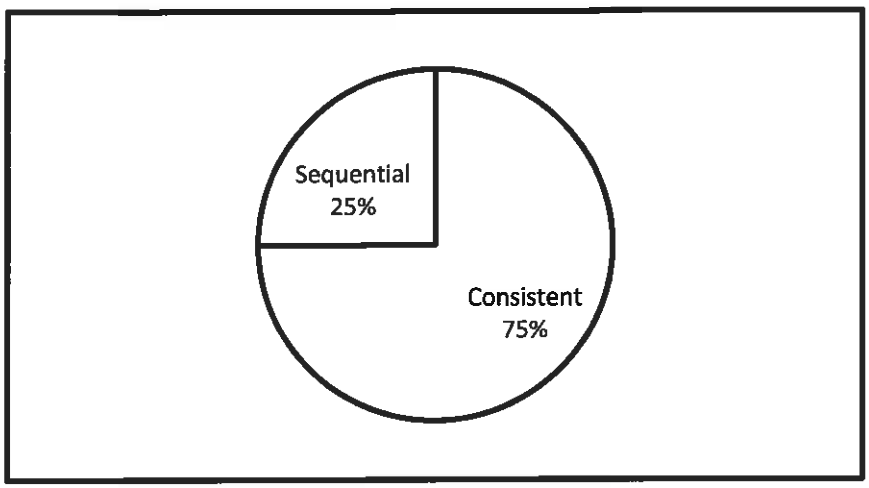
nest C BENT 1
nest - SPHER 2
nest WO 1



Clip	Start Time	CL-ID	Group	QT	CL	Ref	CC Property	C-Class Event	C-Class Entity	Foc Consistent Overall	Foc Sequential Overall	Invisible
~~*1*~~	~~*24.849*~~	~~*10*~~	~~*B*~~	~~*1*~~	~~*BENT-B*~~	~~*egg*~~	~~*0*~~	~~*0*~~				
1	4.190	3	B	1	SPHERE	clouds	1				1	
1	12.301	5	B	1	SPHERE	nest	1				1	
3	13.970	27	B	1	C-BENT-5	nest	1			1		
5	3.800	42	B	1	SPHERE	nest	1			1		
1	13.241	6	B	1	STK	needles		1		1		
2	22.510	17	B	1	CB (Alt)	blanket		1		1		
2	24.249	18	B	1	WS	blanket		1		1		
3	24.430	29	B	1	SPHERE	egg		1		1		
4	5.060	32	B	1	SPHERE	bum		1		1		
4	7.060	33	B	1	SPHERE	bum		1			1	
5	8.110	44	B	1	TE	sewing needle		1		1		
5	8.796	45	B	1	STK	legs		1		1		
5	9.806	46	B	1	SPHERE	tummy		1		1		
5	19.421	49	B	1	STK (Alt)	legs		1		1		
1	**2.120**	**2**	**B**	**1**	**EXP-GROWTH**	**grass**			**1**		**1**	
2	**3.401**	**11**	**B**	**1**	**WO**	**nest**			**1**		**1**	
3	0.810	21	B	1	PL-H-WIDE	surroundings			1	1		
3	2.460	22	B	1	EXP-GROWTH	grass			1	1		
3	4.090	23	B	1	FO	earth			1	1		
3	5.530	24	B	1	TREE (Alt)	trees			1	1		
~~*4*~~	~~*23.770*~~	~~*38*~~	B	~~*1*~~	~~*SPHERE*~~	~~*bum*~~						~~*1*~~
				22			**4**	**10**	**6**	**15**	**5**	**1**

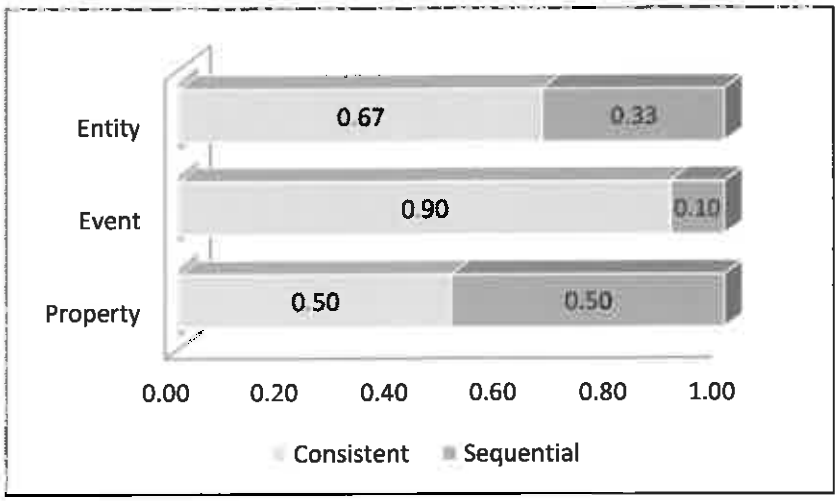
Consistent and Sequential - Overall

Consistent	15
Sequential	5



Consistent x Sequential Eyegaze Focus across the three CCes

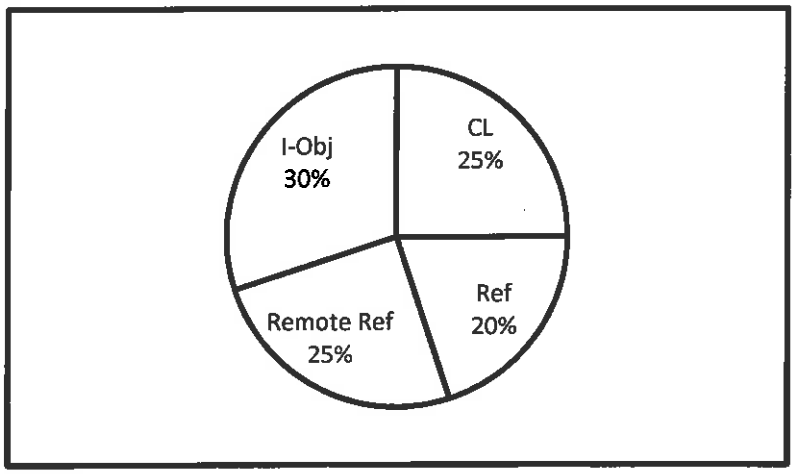
	Property	*Event*	*Entity*
Consistent	*0.50*	*0.90*	0.67
Sequential	*0.50*	*0.10*	0.33



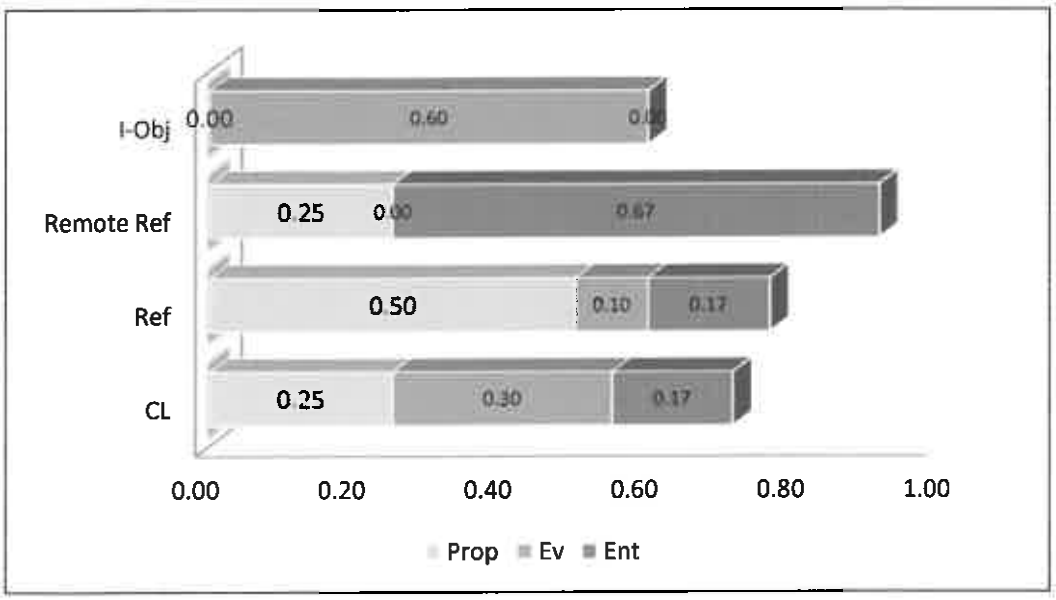
Clip	Start Time	CL-ID	Group	QT	CL	Ref	CC Property	CC Event	CC Entity	Foc Consistent	Foc Sequential	Foc CL Whole	Foc CL	Total Focus CL	Foc Ref	Foc Remote Ref	Foc I-Obj	Foc Cam	Foc Invisible	TOTAL INSTANCES
1	4.190	3	B	1	SPHERE	clouds	1			1				0		1		1		2
1	12.301	5	B	1	SPHERE	nest	1			1			1	1				1		2
3	13.970	27	B	1	C-BENT-5	nest	1			1				0	1					1
5	3.800	42	B	1	SPHERE	nest	1			1				0	1					1
1	13.241	6	B	1	STK	needles		1		1			1	1						1
2	22.510	17	B	1	CB (Alt)	blanket		1		1				0			1			1
2	24.249	18	B	1	WS	blanket		1		1			1	1						1
3	24.430	29	B	1	SPHERE	egg		1		1			1	1						1
4	5.060	32	B	1	SPHERE	bum		1		1				0			1			1
4	7.060	33	B	1	SPHERE	bum		1		1				0			1	1		2
5	8.110	44	B	1	TE	sewing needle		1		1				0	1		.			1
5	8.796	45	B	1	STK	legs		1		1				0			1			1
5	9.806	46	B	1	SPHERE	tummy		1		1				0			1			1
5	19.421	49	B	1	STK (Alt)	legs		1		1				0			1			1
1	2.120	2	B	1	EXP-GROWTH	grass			1	1				0		1		1		2
2	3.401	11	B	1	WO	nest			1	1			1	1				1		2
3	0.810	21	B	1	PL-H-WIDE	surroundings			1	1				0		1				1
3	2.460	22	B	1	EXP-GROWTH	grass			1	1				0		1				1
3	4.090	23	B	1	FO	earth			1	1				0	1					1
3	5.530	24	B	1	TREE (Alt)	trees			1	1				0		1				1
~~1~~	~~24.849~~	~~10~~	~~B~~	~~1~~	~~BENT-B~~	~~egg~~								~~0~~						~~0~~
~~4~~	~~33.770~~	~~28~~	~~B~~	~~1~~	~~SPHERE~~	~~bum~~								~~0~~						~~0~~
				22			4	10	6	20	0	0	5	5	4	5	6	5	0	25

Focal Points

CL	5
Ref	4
Remote Ref	5
I-Obj	6



	Prop	*Ev*	*Ent*
CL	0.25	0.30	0.17
Ref	0.50	0.10	0.17
Remote Ref	0.25	0.00	0.67
I-Obj	0.00	0.60	0.00



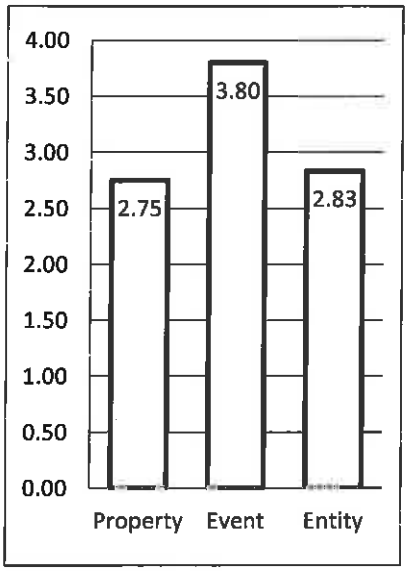
Group B (8): Mouth and Face Actions - Overall and Concept Classes

Clip	Start Time	CL-ID	Group	QT	CL HS	Referent	CC Property	CC Event	CC Entity	MFA LP	MFA LP Slightly	MFA LP Forward	MFA LP Inward	MFA LP Open	MFA LP Sour	MFA LP Smile	Total LP	MFA LPBT	MFA Tongue Prtr	MFA - TBTL	MFA Smile	Total All MFA(1)	Grand total MFA
1	4.190	3	B	1	SPHERE	clouds	1					1					1					1	3
1	12.301	5	B	1	SPHERE	nest	1					1					1					1	3
3	13.970	27	B	1	C-BENT-5	nest	1									1	1					1	2
5	3.800	42	B	1	SPHERE	nest	1							1			1					1	3
1	13.241	6	B	1	STK	needles		1		1							1					1	2
2	22.510	17	B	1	CB (Alt)	blanket		1						1			1		3	1		5	8
2	24.249	18	B	1	WS	blanket		1			1						1					1	3
3	24.430	29	B	1	SPHERE	egg		1									0					0	3
4	5.060	32	B	1	SPHERE	bum		1			1			1			2					2	4
4	7.060	33	B	1	SPHERE	bum		1						1		1	2					2	4
4	23.770	38	B	1	SPHERE	bum		1								1	1					1	2
5	8.110	44	B	1	TE (Alt)	sewing needles		1						2			2					2	3
5	8.796	45	B	1	STK	legs		1				1					1					1	3
5	9.806	46	B	1	SPHERE	tummy		1				1					1					1	3
5	19.421	49	B	1	STK (Alt)	legs		1						1			1					1	3
1	2.120	2	B	1	EXP-GROWTH	grass			1								0					0	2
2	3.401	11	B	1	WO	nest			1	1							1					1	3
3	0.810	21	B	1	PL-H-WIDE	surroundings			1							2	2					2	4
3	2.460	22	B	1	EXP-GROWTH	grass			1		1						1					1	3
3	4.090	23	B	1	FO	earth			1								0					0	2
3	5.530	24	B	1	TREE (Alt)	trees			1								0					0	3
1	24.849	10	B	1	BENT-B	egg																	
				22			4	10	6	2	3	4	0	7	0	5	21	0	3	1	0	25	66

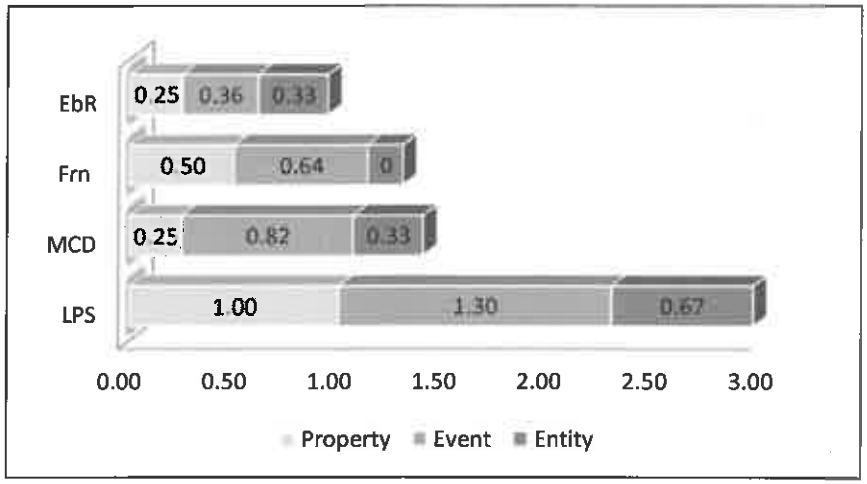
Group B (8): Mouth and Face Actions - Overall and Concept Classes

Clip	Start Time	CL-ID	Group	QT	CL HS	Referent	CC Property	CC Event	CC Entity	MFA MCD	MFA BIG	MFA EA	MFA SA	MFA CPf	MFA CH	MFA WrNse	MFA Frn	MFA Sq	MFA EbR	Total All MFA (2)
1	4.190	3	B	1	SPHERE	clouds	1										1	1		2
1	12.301	5	B	1	SPHERE	nest	1							1			1			2
3	13.970	27	B	1	C-BENT-5	nest	1												1	1
5	3.800	42	B	1	SPHERE	nest	1			1			1							2
1	13.241	6	B	1	STK	needles		1									1			1
2	22.510	17	B	1	CB (Alt)	blanket		1									3			3
2	24.249	18	B	1	WS	blanket		1		1							1			2
3	24.430	29	B	1	SPHERE	egg		1						1			2			3
4	5.060	32	B	1	SPHERE	bum		1		2										2
4	7.060	33	B	1	SPHERE	bum		1		2										2
4	23.770	38	B	1	SPHERE	bum		1		1										1
5	8.110	44	B	1	STK (Alt)	knitting needles		1											1	1
5	8.796	45	B	1	STK	legs		1		1									1	2
5	9.806	46	B	1	SPHERE	tummy		1		1									1	2
5	19.421	49	B	1	STK (Alt)	legs		1		1									1	2
1	2.120	2	B	1	EXP-GROWTH	grass			1		1						1			2
2	3.401	11	B	1	WO	nest			1	1									1	2
3	0.810	21	B	1	PL-H-WIDE	surroundings			1									1	1	2
3	2.460	22	B	1	EXP-GROWTH	grass			1		1							1		2
3	4.090	23	B	1	FO	earth			1	1	1									2
3	5.530	24	B	1	TREE (Alt)	trees			1		1			1				1		3
1	24.849	10	B	1	BENT-B	egg														0
				22			4	11	6	12	4	0	1	3	0	0	10	4	7	41

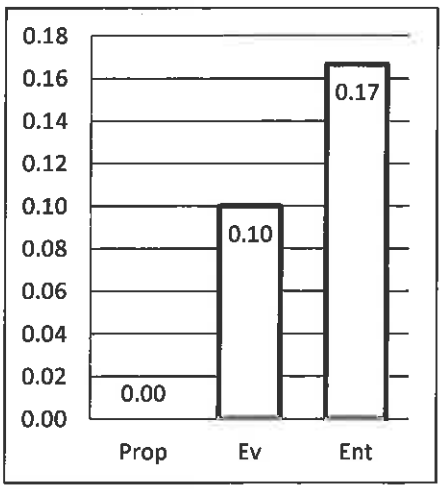
	Property	*Event*	*Entity*
MFA	2.75	3.80	2.83



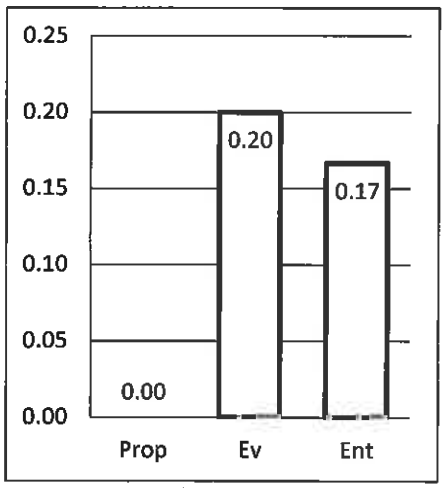
	Property	*Event*	*Entity*
LPS	1.00	1.30	0.67
MCD	0.25	0.82	0.33
Frn	0.50	0.64	0
EbR	0.25	0.36	0.33



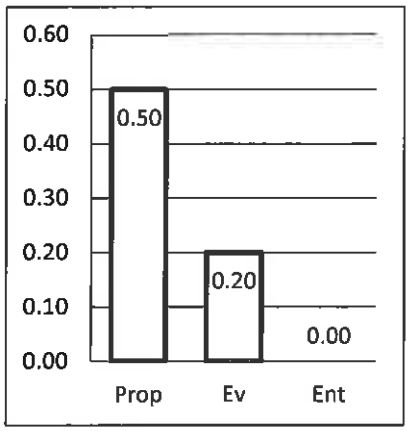
	Prop	*Ev*	*Ent*
LP	0.00	0.10	0.17



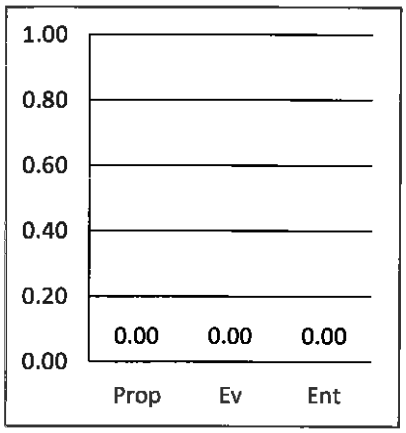
	Prop	*Ev*	*Ent*
LPS	0.00	0.20	0.17



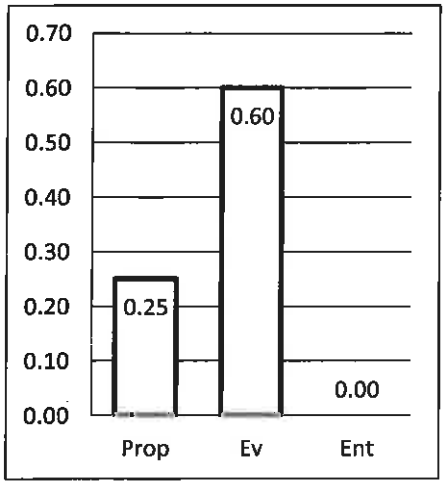
	Prop	*Ev*	*Ent*
LPFw	0.50	0.20	0.00



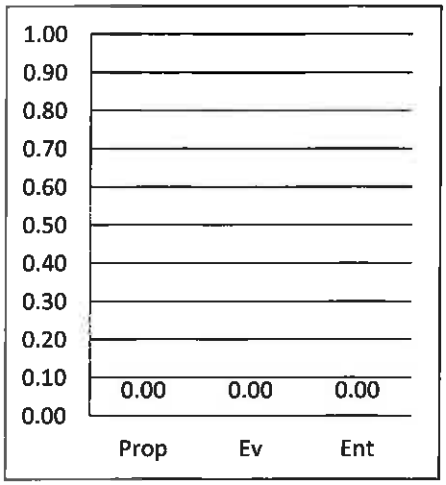
	Prop	*Ev*	*Ent*
LPInw	0.00	0.00	0.00



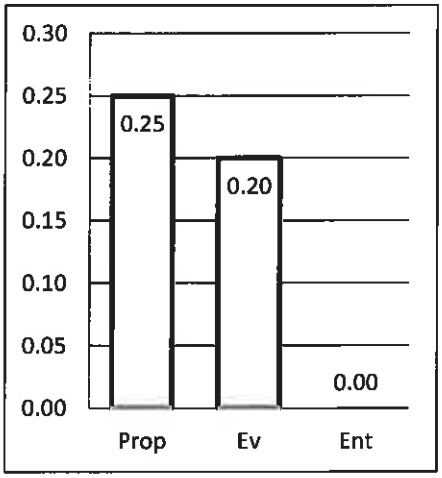
	Prop	*Ev*	*Ent*
LPO	0.25	0.60	0.00



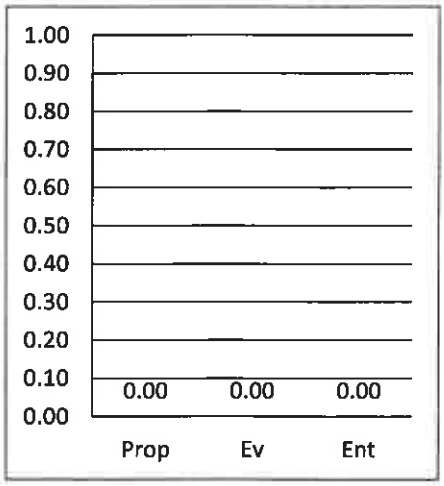
	Prop	*Ev*	*Ent*
LPSour	0.00	0.00	0.00



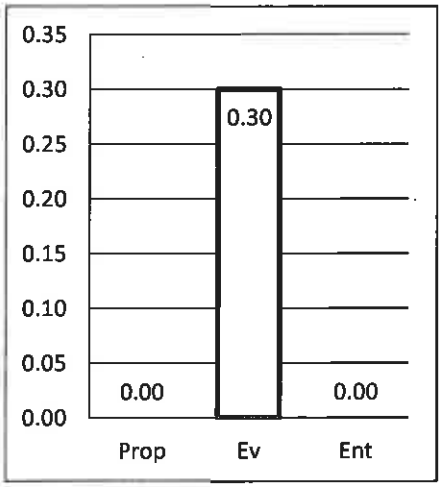
	Prop	*Ev*	*Ent*
LPSm	0.25	0.20	0.00



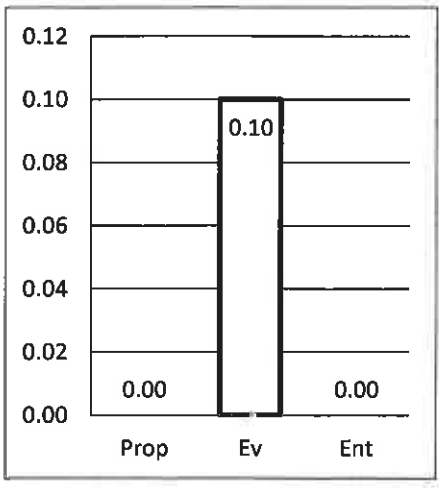
	Prop	*Ev*	*Ent*
LPBT	0.00	0.00	0.00



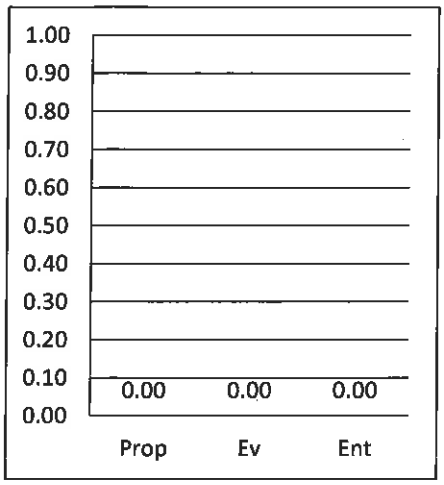
	Prop	*Ev*	*Ent*
TPrtr	0.00	0.30	0.00



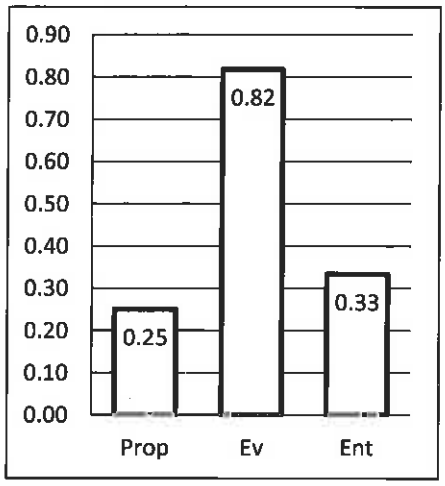
	Prop	*Ev*	*Ent*
TBTL	0.00	0.10	0.00



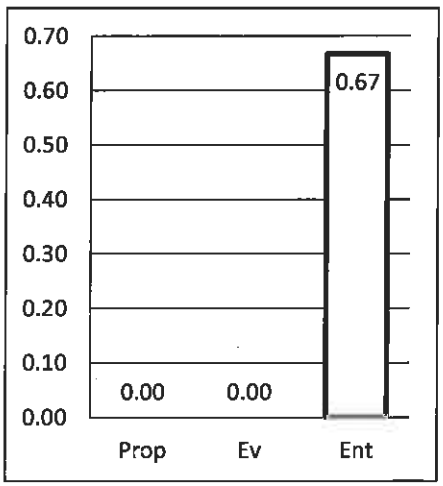
	Prop	*Ev*	*Ent*
Smile	0.00	0.00	0.00



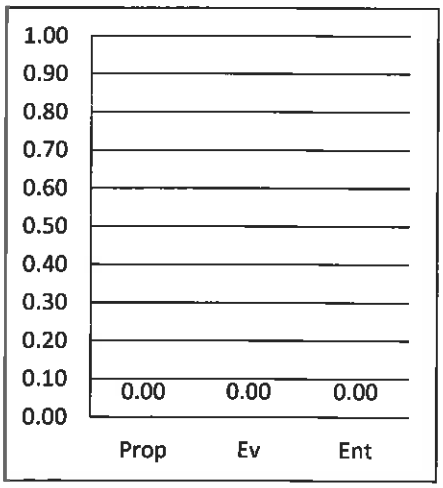
	Prop	*Ev*	*Ent*
MCD	0.25	0.82	0.33



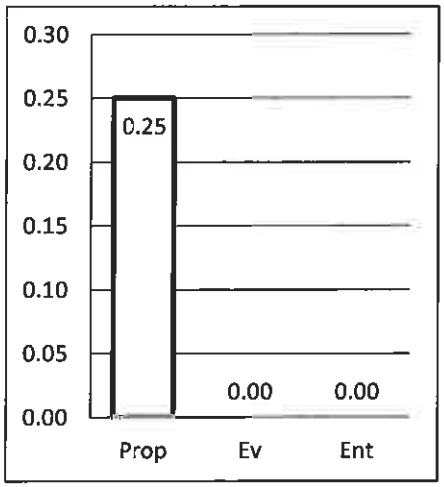
	Prop	*Ev*	*Ent*
BIG	0.00	0.00	0.67



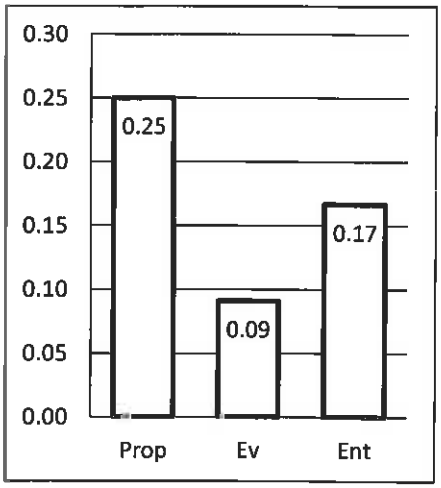
	Prop	*Ev*	*Ent*
EA	0.00	0.00	0.00



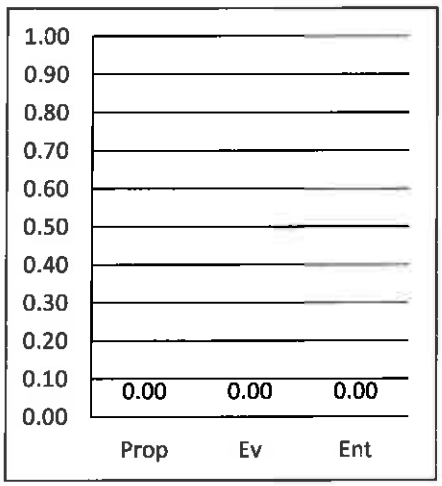
	Prop	*Ev*	*Ent*
SA	0.25	0.00	0.00



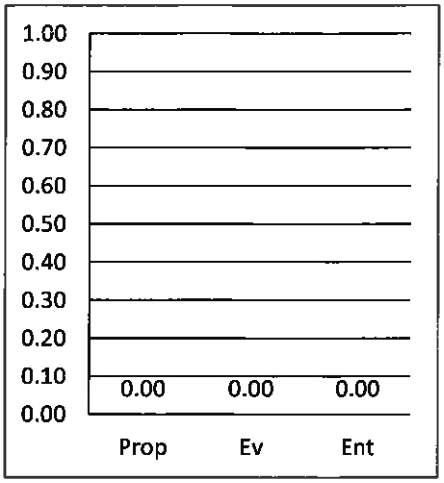
	Prop	*Ev*	*Ent*
CPf	0.25	0.09	0.17



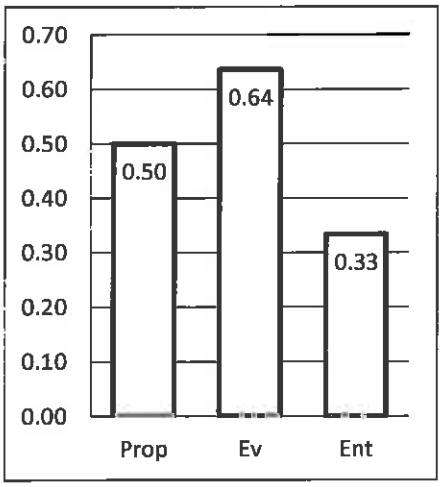
	Prop	*Ev*	*Ent*
CH	0.00	0.00	0.00



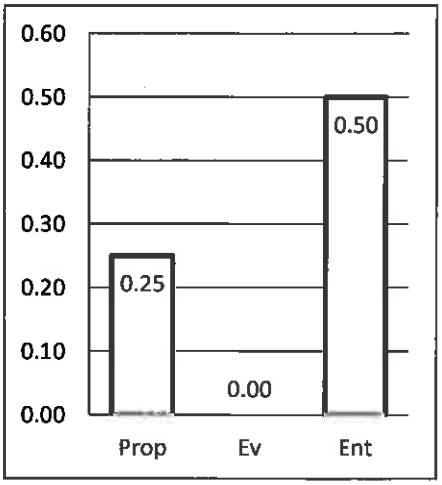
	Prop	*Ev*	*Ent*
WrNse	0.00	0.00	0.00



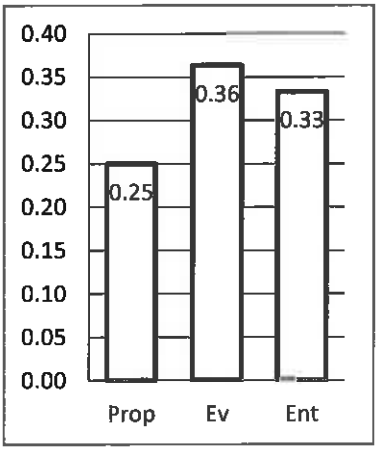
	Prop	*Ev*	*Ent*
Frn	0.50	0.64	0.33



	Prop	*Ev*	*Ent*
Sq	0.25	0.00	0.50



	Prop	*Ev*	*Ent*
EbR	0.25	0.36	0.33

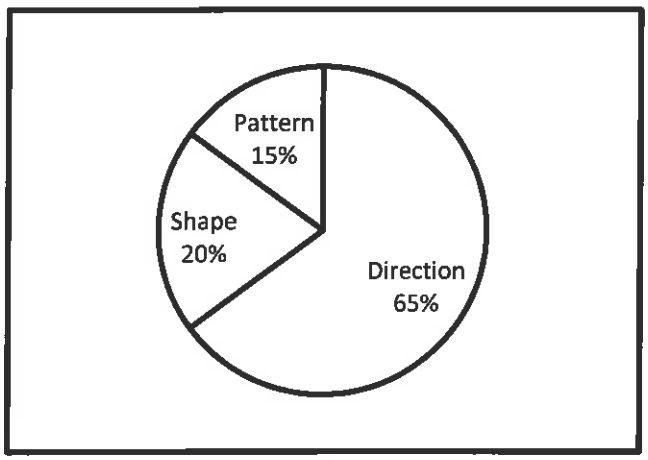


Group B (9): Movement Overall

Clip	Start Time	CL-ID	Group	QT	CL	Ref	CC Property	CC Event	CC Entity	Mvt PD Left	Mvt PD Right	Mvt PD Up	Mvt PD Down	Mvt PD Forward	Mvt PD Backward	Mvt PD Convergent	Mvt PD Divergent	Mvt PS Arc	Mvt PS Circle	Mvt PS Line	MvtPat ALT	MvtPat BEND	MvtPat BOUNCE	MvtPat CLOSE	MvtPat CO	MvtPat OPEN	MvtPat RUB	MvtPat WIGGLE
1	4.190	3	B	1	SPHERE	clouds	1					1					1		1									
1	12.301	5	B	1	SPHERE	nest	1					1					1	1										
3	13.970	27	B	1	C-BENT-S	nest	1										1	1										
5	3.800	42	B	1	SPHERE	nest	1									1	1		1						1			
1	13.241	6	B	1	STK	needles		1						1	1	1	1			1								
2	22.510	17	B	1	CB (Alt)	blanket		1				2	2					1			1				1			
2	24.249	18	B	1	WS	blanket		1								1	1			1								
3	24.480	29	B	1	SPHERE	egg		1				1					1			1						1		
4	5.820	32	B	1	SPHERE	bum		1				1	1							1					1			
4	7.060	33	B	1	SPHERE	bum		1		2	2	1	1	1						1								
4	24.480	38	B	1	SPHERE	bum		1				1	1															1
5	8.110	44	B	1	TE (Alt)	sewing needle		1		1	1	2	2			1	1	1			1				1			
5	8.796	45	B	1	STK	legs		1		1		1								1								
5	9.806	46	B	1	SPHERE	tummy		1		1		1								1								
5	19.421	49	B	1	STK (Alt)	legs		1				1			1						1							
1	2.120	2	B	1	EXP-GROWTH	grass			1					1						1								1
2	3.401	11	B	1	WO	nest			1			1				1				1								
3	0.810	21	B	1	PL-H-WIDE	surroundings			1			1	1			1	1		1									
3	2.460	22	B	1	EXP-GROWTH	grass			1			1		1						1								1
3	4.090	23	B	1	FO	earth			1				1				1			1							1	
3	5.530	24	B	1	TREE (Alt)	trees			1	1	1	2		2						1	1							1
1	24.849	10	B	1	BENT-B	egg																						
				22			**4**	**11**	**6**	**6**	**4**	**18**	**9**	**6**	**2**	**6**	**10**	**4**	**3**	**12**	**4**	**0**	**0**	**0**	**4**	**1**	**1**	**4**

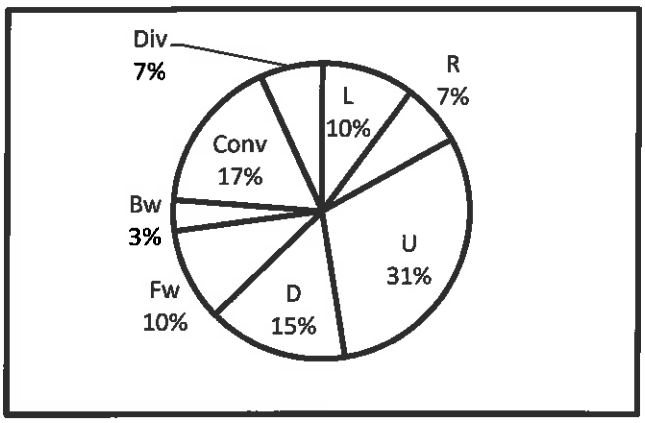
Overall **94**

Direction	61
Shape	19
Pattern	14
	94



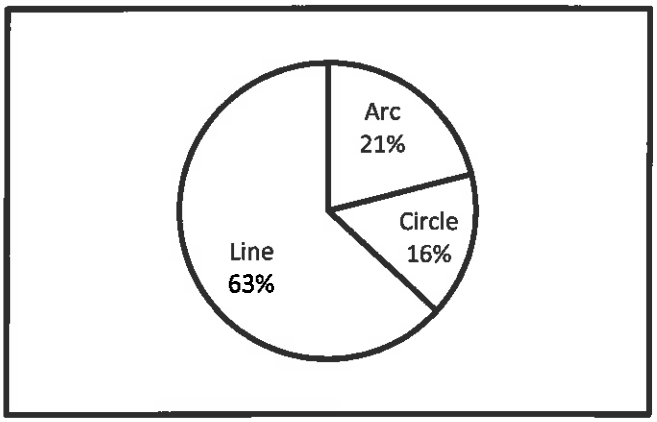
Direction

L	6
R	4
U	18
D	9
Fw	6
Bw	2
Conv	10
Div	4



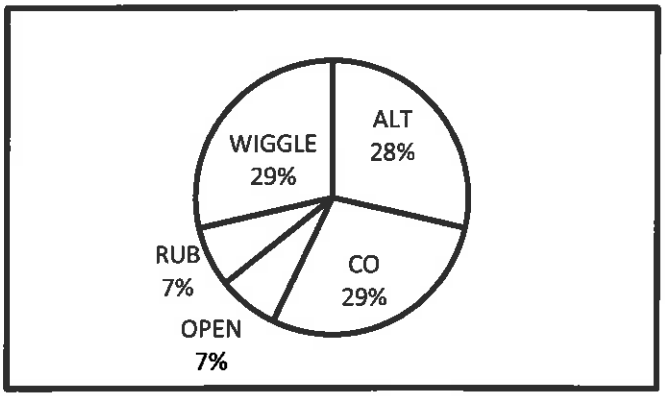
Shape

Arc	4
Circle	3
Line	12



Pattern

ALT	4
CO	4
OPEN	1
RUB	1
WIGGLE	4

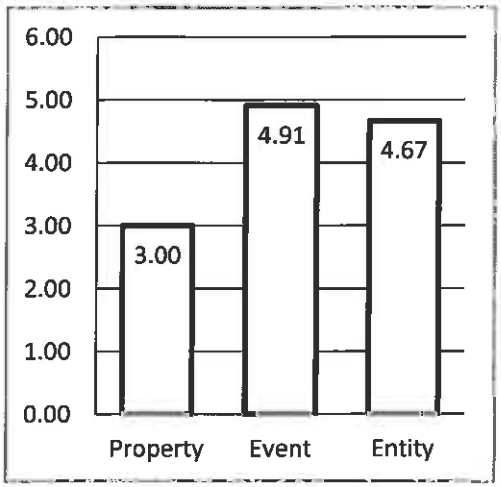


Group B (10): Movement and Concept Classes

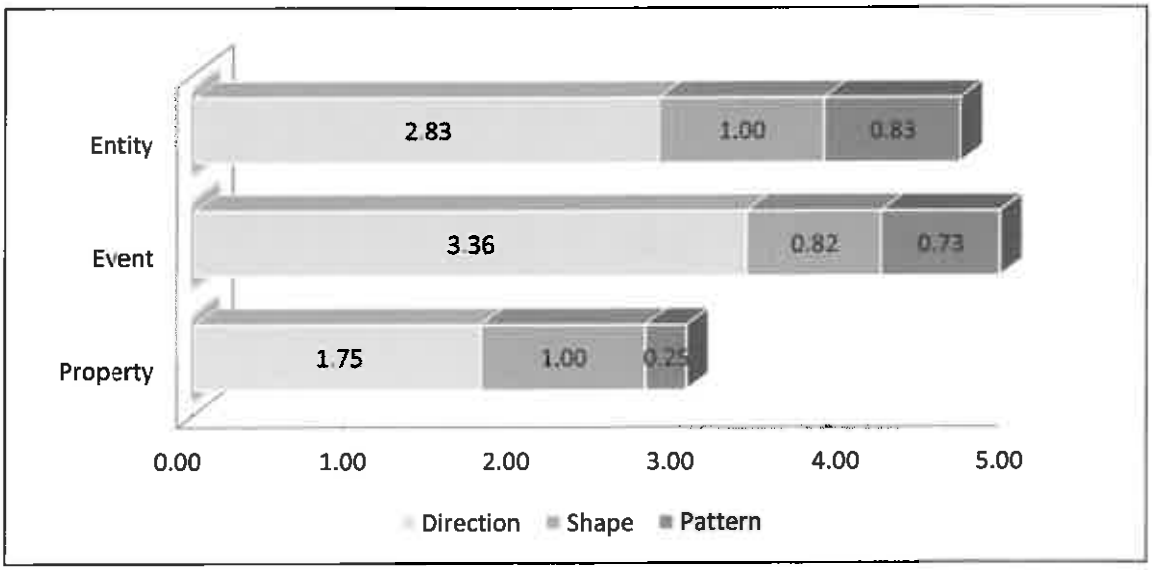
Clip	Start Time	CL-ID	Group	QT	CL	Ref	CC Property	CC Event	CC Entity	MvtPD Left	MvtPD Right	MvtPD Up	MvtPD Down	MvtPD Forward	MvtPD Backward	MvtPD Convergent	MvtPD Divergent	MvtPS Arc	MvtPS Circle	MvtPS Line	MvtPat ALT	MvtPat BEND	MvtPat CLOSE	MvtPat CO	MvtPat OPEN	MvtPat RUB	MvtPat WIGGLE
1	4.190	3	B	1	SPHERE	clouds	1					1					1		1								
1	12.301	5	B	1	SPHERE	nest	1					1					1	1									
3	13.970	27	B	1	C-BENT-5	nest	1										1	1									
5	3.800	42	B	1	SPHERE	nest	1									1	1		1					1			
1	13.241	6	B	1	STK	needles		1						1	1	1	1			1							
2	22.510	17	B	1	CB (Alt)	blanket		1				2	2					1			1			1			
2	24.249	18	B	1	WS	blanket		1								1	1			1							
3	24.480	29	B	1	SPHERE	egg		1				1					1			1					1		
4	5.820	32	B	1	SPHERE	bum		1				1	1							1				1			
4	7.060	33	B	1	SPHERE	bum		1		2	2	1	1	1						1							
4	24.480	38	B	1	SPHERE	bum		1				1	1														1
5	8.110	44	B	1	TE (Alt)	sewing needle		1		1	1	2	2			1	1	1			1			1			
5	8.796	45	B	1	STK	legs		1		1		1								1							
5	9.806	46	B	1	SPHERE	tummy		1		1		1								1							
5	19.421	49	B	1	STK (Alt)	legs		1				1			1						1						
1	2.120	2	B	1	EXP-GROWTH	grass			1					1						1							1
2	3.401	11	B	1	WO	nest			1			1				1				1							
3	0.810	21	B	1	PL-H-WIDE	surroundings			1			1	1			1	1		1								
3	2.460	22	B	1	EXP-GROWTH	grass			1			1		1						1							1
3	4.090	23	B	1	FO	earth			1				1				1			1						1	
3	5.530	24	B	1	TREE (Alt)	trees			1	1	1	2		2						1	1						1
1	24.849	10	B	1	BENT-B	egg																					
				22			**4**	**11**	**6**	**6**	**4**	**18**	**9**	**6**	**2**	**6**	**10**	**4**	**3**	**12**	**4**	**0**	**0**	**4**	**1**	**1**	**4**

Overall

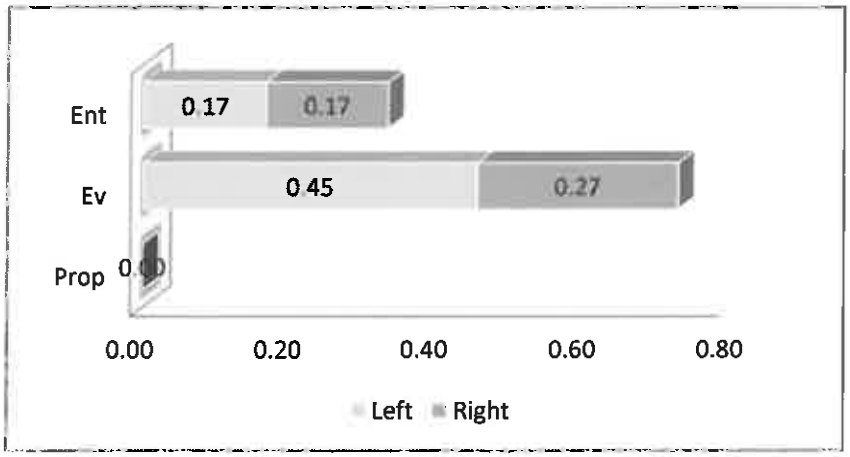
Property	*Event*	*Entity*
3.00	**4.91**	**4.67**



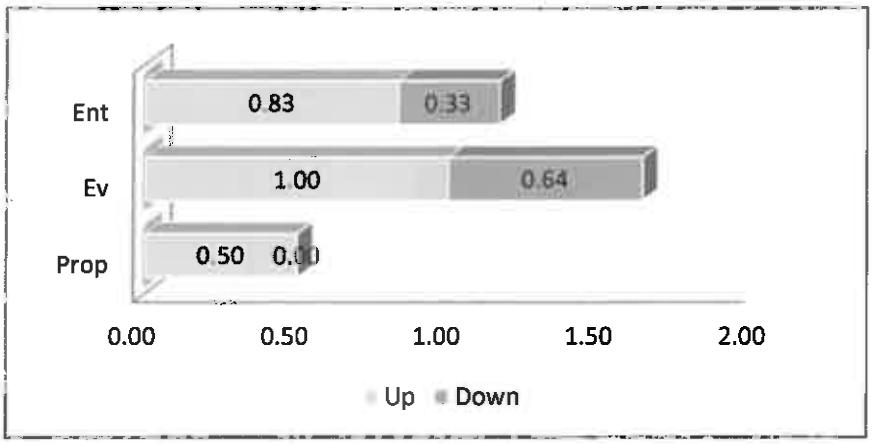
	Property	*Event*	*Entity*
Direction	1.75	3.36	2.83
Shape	1.00	0.82	1.00
Pattern	0.25	0.73	0.83



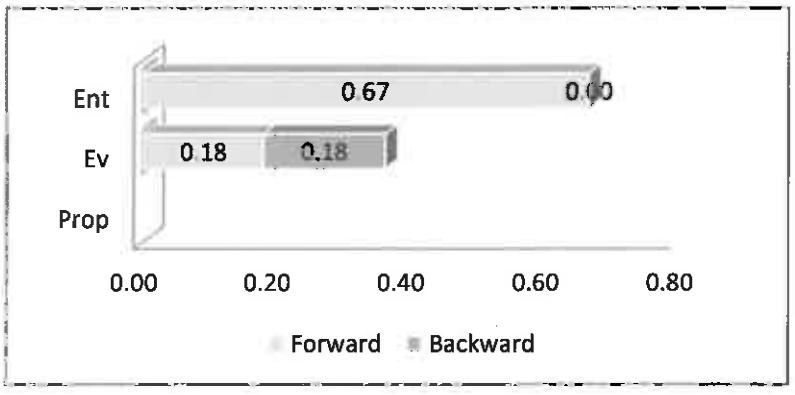
	Prop	*Ev*	*Ent*
Left	0.00	0.45	0.17
Right	0.00	0.27	0.17



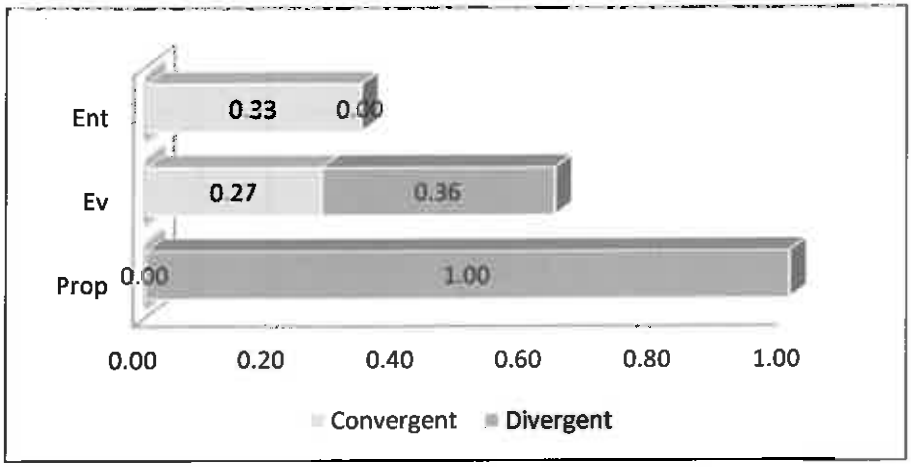
	Prop	*Ev*	*Ent*
Up	0.50	1.00	0.83
Down	0.00	0.64	0.33



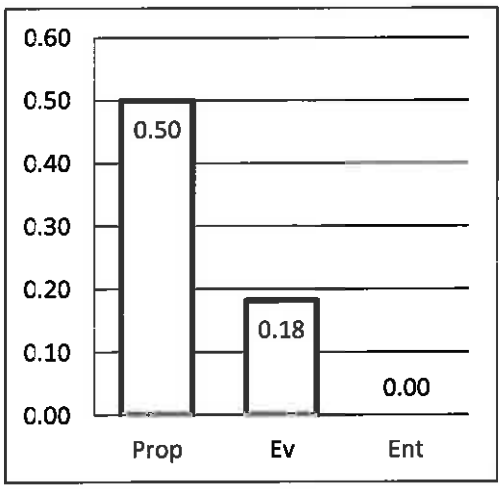
	Prop	*Ev*	*Ent*
Forward		0.18	0.67
Backward		0.18	0.00



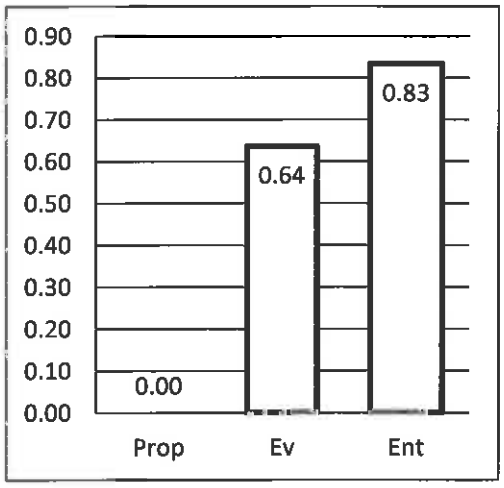
	Prop	*Ev*	*Ent*
Convergent	0.00	0.27	0.33
Divergent	1.00	0.36	0.00



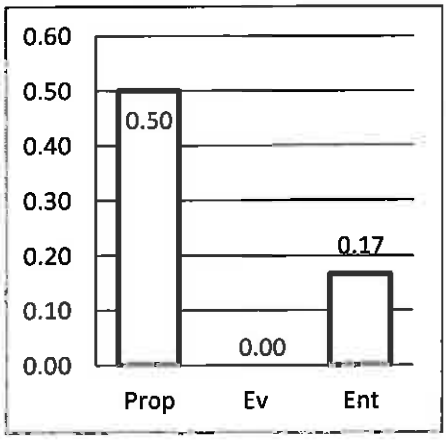
	Prop	*Ev*	*Ent*
Arc	0.50	0.18	0.00



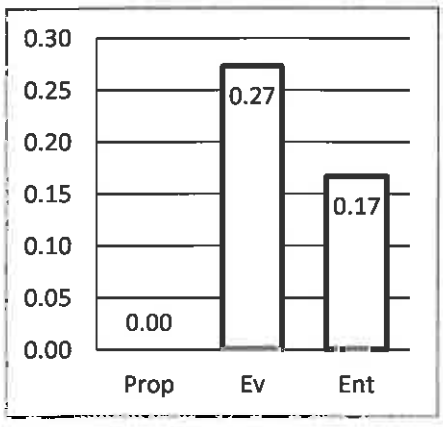
	Prop	*Ev*	*Ent*
Line	0.00	0.64	0.83



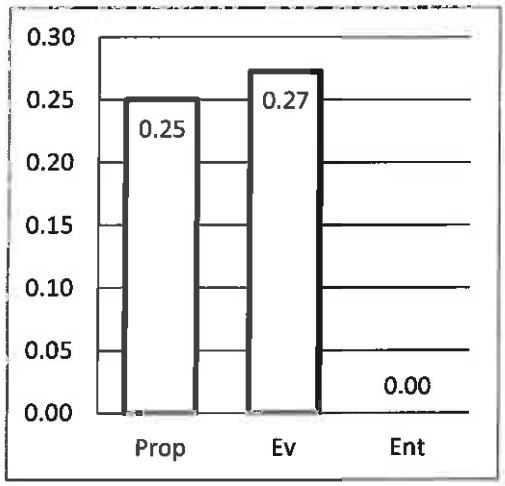
	Prop	*Ev*	*Ent*
Circle	0.50	0.00	0.17



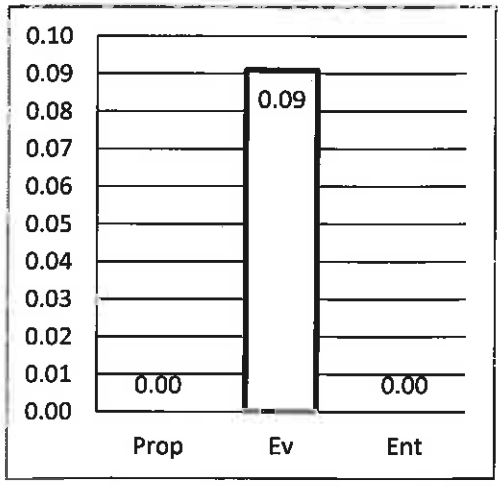
	Prop	*Ev*	*Ent*
ALT	**0.00**	**0.27**	**0.17**



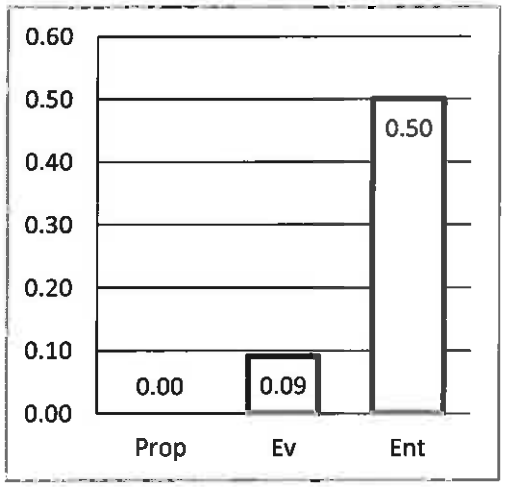
	Prop	*Ev*	*Ent*
CO	**0.25**	**0.27**	**0.00**



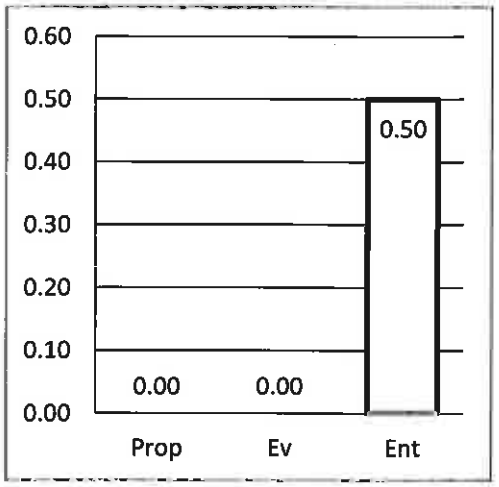
	Prop	*Ev*	*Ent*
OPEN	**0.00**	**0.09**	**0.00**



	Prop	*Ev*	*Ent*
WIGGLE	**0.00**	**0.09**	**0.50**



	Prop	*Ev*	*Ent*
RUB	**0.00**	**0.00**	**0.50**



Appendix F

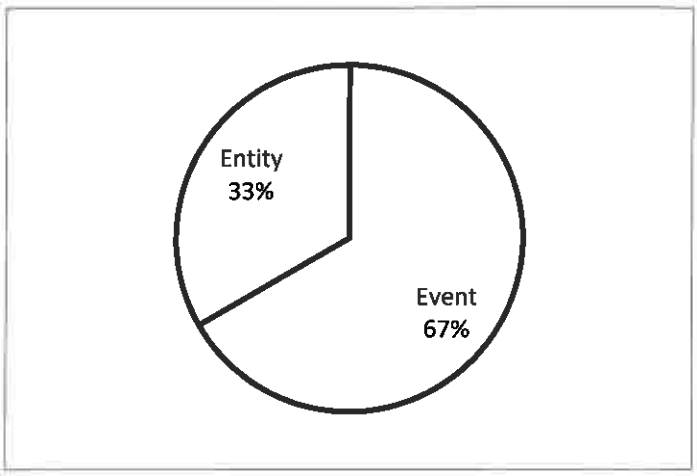
Group C – Excel Sheets

Start Time	CL-ID	Gloss	CL	Ref
7.62	4	NEST-IN-BRANCH-FORK	PINKY-FORK	branch
7.62	4	NEST-IN-BRANCH-FORK	SPHERE	nest
19.871	8	JUMP-OFF-EGG-WHILE-LOOK-AT-EGG	CN	egg
19.871	8	JUMP-OFF-EGG-WHILE-LOOK-AT-EGG	TL	legs
24.05	9	JUMP-ON-EGG	CN	egg
24.05	9	JUMP-ON-EGG	TL	legs
6.03	12	SEW-SMALL-PANTS	SE	part of small pants
6.03	12	SEW-SMALL-PANTS	TE	sewing needle
13.435	14	JUMP-ON-AND-SIT-ON-EDGE-NEST	CN	nest
13.435	14	JUMP-ON-AND-SIT-ON-EDGE-NEST	TL	legs
22.025	16	EGG-PEEP-OUT-FROM-UNDER-BLANKET	BB (Bent B)	blanket
22.025	16	EGG-PEEP-OUT-FROM-UNDER-BLANKET	SPHERE	egg
28.865	20	EGG-BOUNCE-IN-NEST	CN	nest
28.865	20	EGG-BOUNCE-IN-NEST	SPHERE	egg
12.55	26	NEST-IN-BRANCH-FORK	PINKY-FORK	branch(RH)
12.55	26	NEST-IN-BRANCH-FORK	SPHERE	nest
18.92	28	CROCHET-SMALL-PANTS	STK	crochet needle
18.92	28	CROCHET-SMALL-PANTS	STK	part of small pants
2	31	NEST-IN-BRANCH-FORK	PINKY-FORK	branch
2	31	NEST-IN-BRANCH-FORK	SPHERE	nest
10.27	34	CROCHET-PANTS	STK	crochet needle
10.27	34	CROCHET-PANTS	STK	part of small pants
2.19	41	NEST-IN-BRANCH-FORK	PINKY-FORK	branch
2.19	41	NEST-IN-BRANCH-FORK	SPHERE	nest
4.1	43	BIRD-SIT-IN-NEST	BEAK	bird
4.1	43	BIRD-SIT-IN-NEST	SPHERE	nest
11.41	47	BIRD-SIT-ON-EGG	SPHERE	egg
11.41	47	BIRD-SIT-ON-EGG	TL	legs
20.142	50	BIRD-JUMP-ON-EDGE-OF-NEST	CN	nest
20.142	50	BIRD-JUMP-ON-EDGE-OF-NEST	TL	legs

Group C (2): Overall Distribution of Concept Classes

Start Time	CL-ID	Gloss	CL HS	Referent	CC Property	CC Event	CC Entity	
19.871	8	JUMP-OFF-EGG-WHILE-LOOK-AT-EGG	TL	legs		1		
24.05	9	JUMP-OFF-EGG-WHILE-LOOK-AT-EGG	TL	legs		1		
6.03	12	SEW-SMALL-PANTS	TE	sewing needle		1		
13.435	14	JUMP-ON-AND-SIT-ON-EDGE-NEST	TL	legs		1		
22.025	16	EGG-PEEP-OUT-FROM-UNDER-BLANKET	SPHERE	egg		1		
28.865	20	EGG-BOUNCE-IN-NEST	SPHERE	egg		1		
18.92	28	CROCHET-PANTS	STK	crochet needle		1		
10.27	34	CROCHET-PANTS	STK	crochet needle		1		
11.41	47	BIRD-SIT-ON-EGG	TL	legs		1		
20.142	50	BIRD-JUMP-ON-EDGE-OF-NEST	TL	legs		1		
7.62	4	NEST-IN-BRANCH-FORK	SPHERE	nest			1	
12.55	26	NEST-IN-BRANCH-FORK	SPHERE	nest			1	
2	31	NEST-IN-BRANCH-FORK	SPHERE	nest			1	
2.19	41	NEST-IN-BRANCH-FORK	SPHERE	nest			1	
4.1	43	BIRD-SIT-IN-NEST	BEAK	bird			1	5
					0	**10**	**5**	15

Event 10
Entity 5

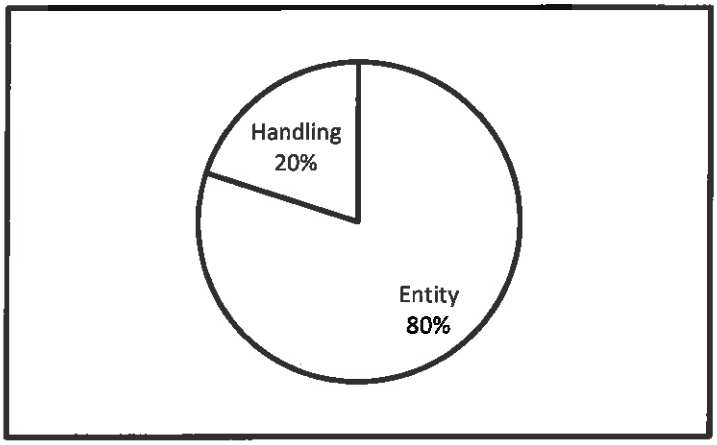


Start Time	CL-ID	CL HS	Referent	CC Property	CC Event	CC Entity	SASS	Entity CL	Handling CL
19.871	8	TL	legs		1			1	
24.05	9	TL	legs		1			1	
6.03	12	TE	sewing needle		1				1
13.435	14	TL	legs		1			1	
22.025	16	SPHERE	egg		1			1	
28.865	20	SPHERE	egg		1			1	
18.92	28	STK	crochet needle		1				1
10.27	34	STK	crochet needle		1				1
11.41	47	TL	legs		1			1	
20.142	50	TL	legs		1			1	
7.62	4	SPHERE	nest			1		1	
12.55	26	SPHERE	nest			1		1	
2	31	SPHERE	nest			1		1	
2.19	41	SPHERE	nest			1		1	
4.1	43	BEAK	bird			1		1	
				0	**10**	**5**	**0**	**12**	**3**

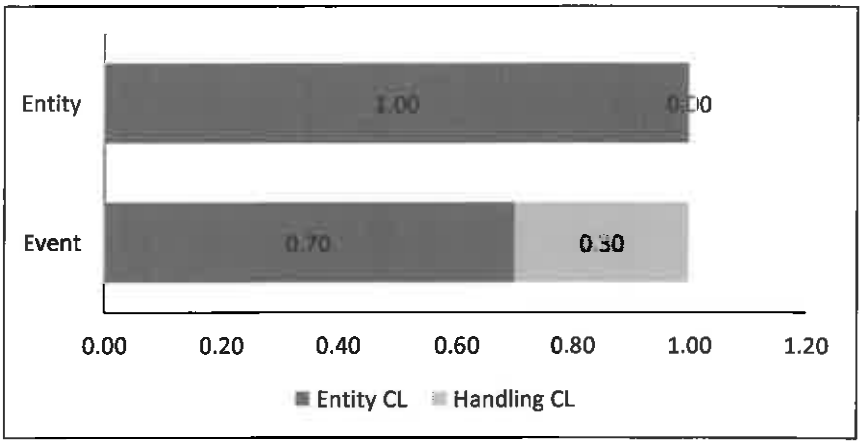
12

Overall Distribution

Entity	12
Handling	3

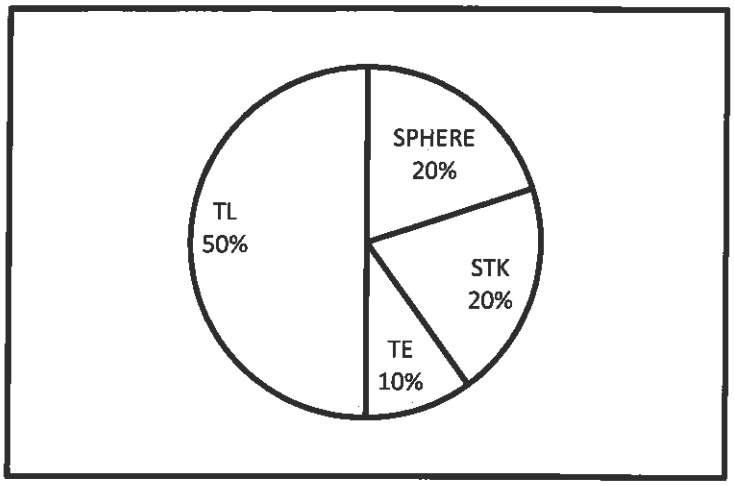


	Event	*Entity*
Entity CL	0.70	1.00
Handling CL	0.30	0.00

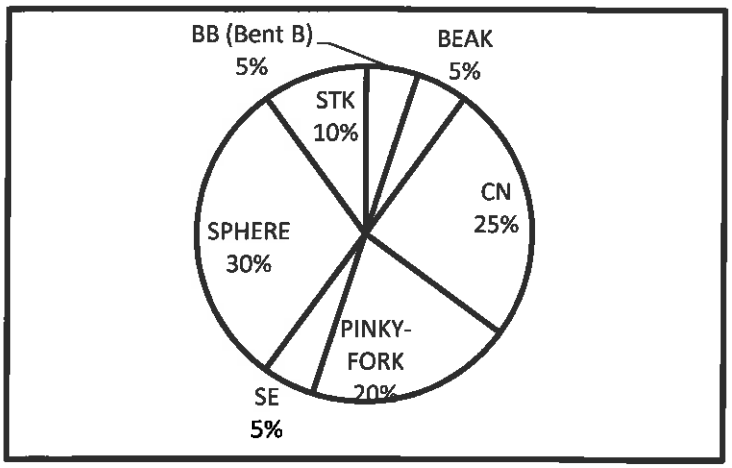


Start Time	CL-ID	CL HS	Referent	CC Property	CC Event	CC Entity
22.025	16	SPHERE	egg		1	
28.865	20	SPHERE	egg		1	
18.92	28	STK	crochet needle		1	
10.27	34	STK	crochet needle		1	
6.03	12	TE	sewing needle		1	
19.871	8	TL	legs		1	
24.05	9	TL	legs		1	
13.435	14	TL	legs		1	
11.41	47	TL	legs		1	
20.142	50	TL	legs		1	
22.025	16	BB (Bent B)	blanket			1
4.1	43	BEAK	bird			1
19.871	8	CN	egg			1
24.05	9	CN	egg			1
13.435	14	CN	nest			1
28.865	20	CN	nest			1
20.142	50	CN	nest			1
7.62	4	PINKY-FORK	branch			1
12.55	26	PINKY-FORK	branch			1
2	31	PINKY-FORK	branch			1
2.19	41	PINKY-FORK	branch			1
6.03	12	SE	part of small pants			1
7.62	4	SPHERE	nest			1
12.55	26	SPHERE	nest			1
2	31	SPHERE	nest			1
2.19	41	SPHERE	nest			1
4.1	43	SPHERE	nest			1
11.41	47	SPHERE	egg			1
18.92	28	STK	part of small pants			1
10.27	34	STK	part of small pants			1
				0	10	20

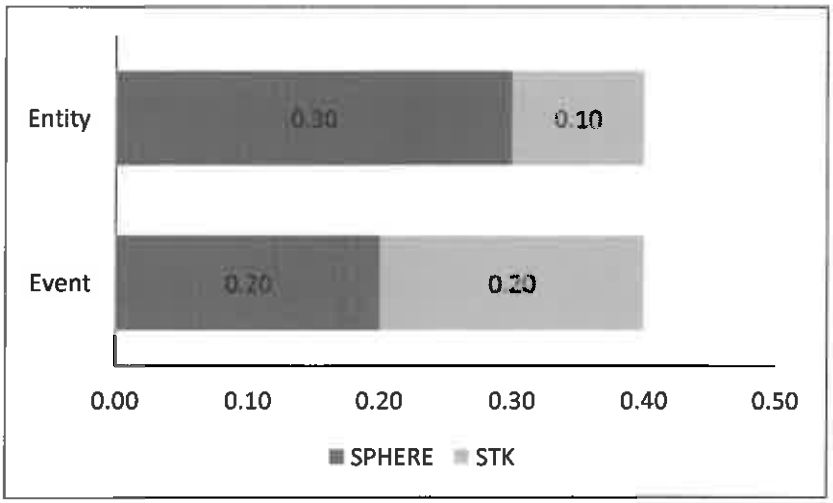
CC *Event*	
SPHERE	2
STK	2
TE	1
TL	5



CC *Entity*	
BB (Bent B)	1
BEAK	1
CN	5
PINKY-FORK	4
SE	1
SPHERE	6
STK	2



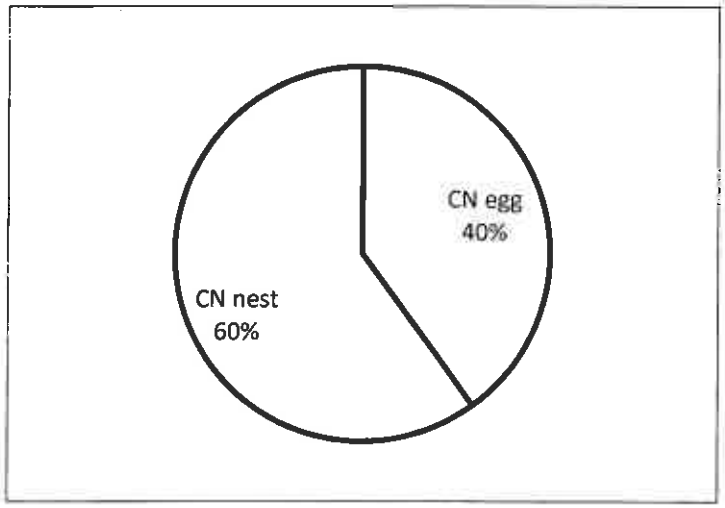
	Event	*Entity*
SPHERE	0.20	0.30
STK	0.20	0.10



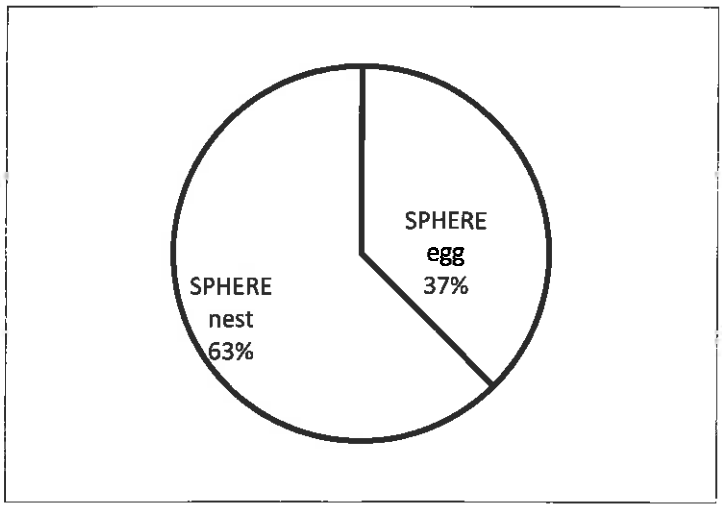
Start Time	CL-ID	CL HS	Referent		CC Property	CC Event	CC Entity
22.025	16	BB (Bent B)	blanket	1			1
4.1	43	BEAK	bird	1			1
19.871	8	CN	egg	1			1
24.05	9	CN	egg	1			1
13.435	14	CN	nest	1			1
28.865	20	CN	nest	1			1
20.142	50	CN	nest	1			1
7.62	4	PINKY-FORK	branch	1			1
12.55	26	PINKY-FORK	branch	1			1
2	31	PINKY-FORK	branch	1			1
2.19	41	PINKY-FORK	branch	1			1
6.03	12	SE	part of small pants	1			1
11.41	47	SPHERE	egg	1			1
22.025	16	SPHERE	egg	1		1	
28.865	20	SPHERE	egg	1		1	
2	31	SPHERE	nest	1			1
7.62	4	SPHERE	nest	1			1
12.55	26	SPHERE	nest	1			1
2.19	41	SPHERE	nest	1			1
4.1	43	SPHERE	nest	1			1
10.27	34	STK	crochet needle	1		1	
18.92	28	STK	crochet needle	1		1	
10.27	34	STK	part of small pants	1			1
18.92	28	STK	part of small pants	1			1
6.03	12	TE	sewing needle	1		1	
19.871	8	TL	legs	1		1	
20.142	50	TL	legs	1		1	
24.05	9	TL	legs	1		1	
13.435	14	TL	legs	1		1	
11.41	47	TL	legs	1		1	
					0	10	20

1 HS; Multiple Refs

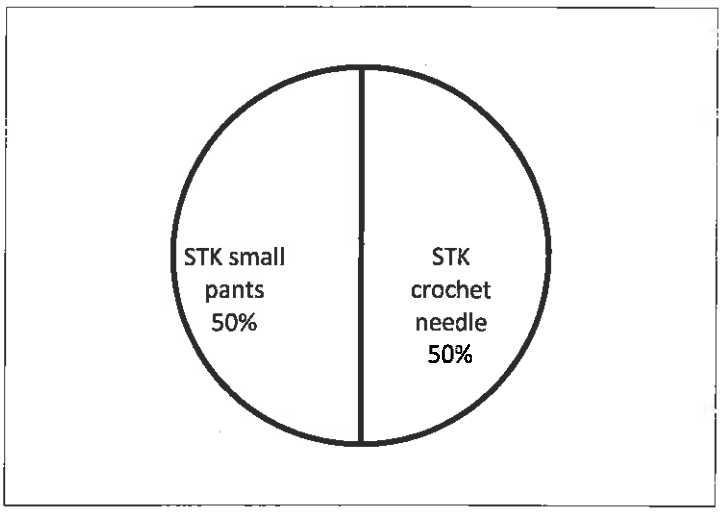
CN egg	2
CN nest	3



SPHERE egg	3
SPHERE nest	5

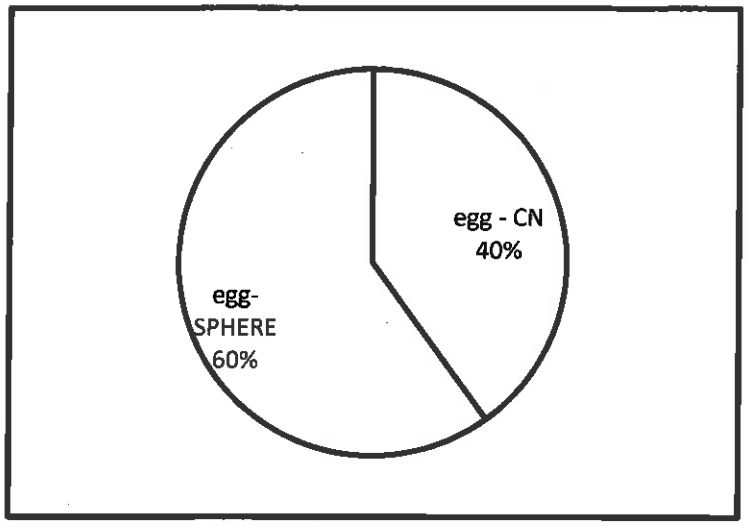


STK crochet needle	2
STK small pants	2

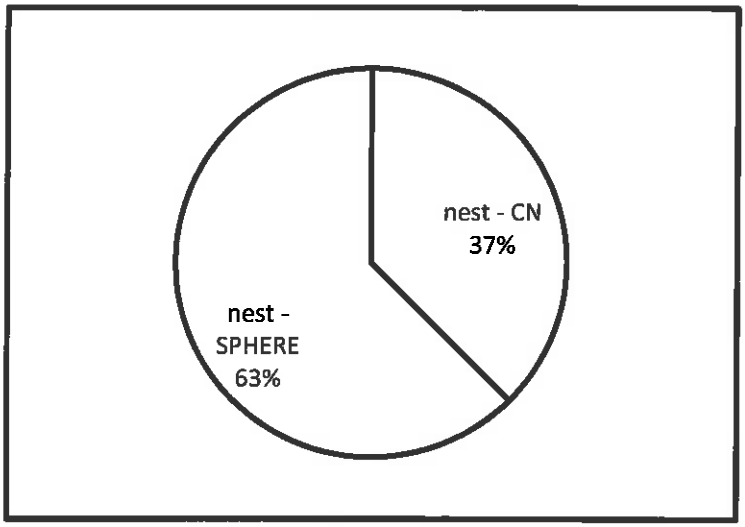


Start Time	CL-ID	CL HS	Referent		CC Property	CC Event	CC Entity
4.1	43	BEAK	bird	1			1
22.025	16	BB (Bent B)	blanket	1			1
7.62	4	PINKY-FORK	branch	1			1
12.55	26	PINKY-FORK	branch	1			1
2	31	PINKY-FORK	branch	1			1
2.19	41	PINKY-FORK	branch	1			1
18.92	28	STK	crochet needle	1		1	
10.27	34	STK	crochet needle	1		1	
19.871	8	CN	egg	1			1
24.05	9	CN	egg	1			1
22.025	16	SPHERE	egg	1		1	
28.865	20	SPHERE	egg	1		1	
11.41	47	SPHERE	egg	1			1
19.871	8	TL	legs	1		1	
24.05	9	TL	legs	1		1	
13.435	14	TL	legs	1		1	
11.41	47	TL	legs	1		1	
20.142	50	TL	legs	1		1	
13.435	14	CN	nest	1			1
28.865	20	CN	nest	1			1
20.142	50	CN	nest	1			1
7.62	4	SPHERE	nest	1			1
12.55	26	SPHERE	nest	1			1
2	31	SPHERE	nest	1			1
2.19	41	SPHERE	nest	1			1
4.1	43	SPHERE	nest	1			1
6.03	12	SE	part of small pants	1			1
18.92	28	STK	part of small pants	1			1
10.27	34	STK	part of small pants	1			1
6.03	12	TE	sewing needle	1		1	
					0	**10**	**20**

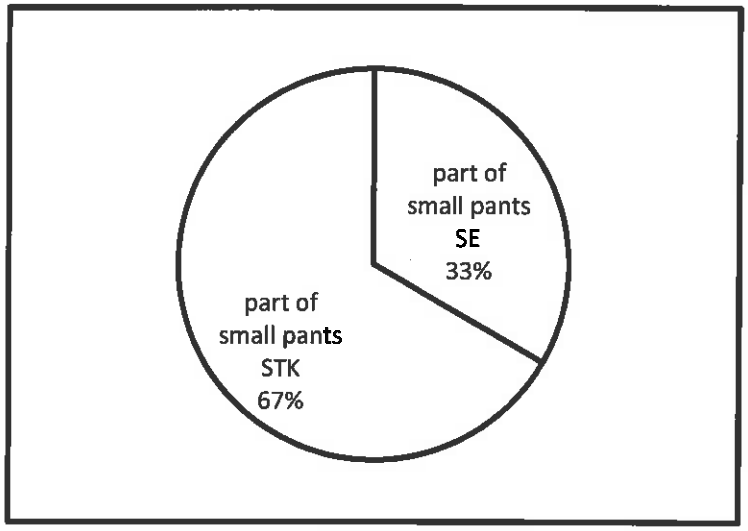
1 Ref; Mult HS	
egg - CN	2
egg-SPHERE	3



nest - CN	3
nest - SPHERE	5



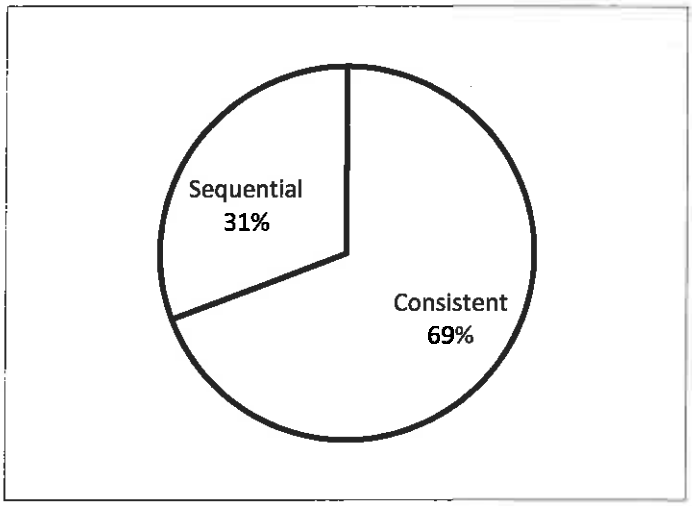
part of small pants SE	1
part of small pants STK	2



Clip	Start Time	CL-ID	Group	QT	CL	Ref	CC Property	C-Class Event	C-Class Entity	Foc Consistent Overall	Foc Sequential Overall
1	19.871	8	C	1	TL	legs		1			1
1	24.05	9	C	1	TL	legs		1			1
2	6.03	12	C	1	TE	sewing needle		1		1	
2	13.435	14	C	1	TL	legs		1		1	
2	28.865	20	C	1	SPHERE	egg		1		1	
4	10.27	34	C	1	STK	crochet needle		1			1
5	11.41	47	C	1	TL	legs		1		1	
5	20.142	50	C	1	TL	legs		1		1	
1	7.62	4	C	1	SPHERE	nest			1	1	
3	12.55	26	C	1	SPHERE	nest			1		1
4	2	31	C	1	SPHERE	nest			1	1	
5	2.19	41	C	1	SPHERE	nest			1	1	
5	4.1	43	C	1	BEAK	bird			1	1	
~~2~~	~~22.025~~	~~16~~	C		~~SPHERE~~	~~egg~~					
~~3~~	~~18.92~~	~~28~~	~~C~~		~~STK~~	~~crochet needle~~					
				13			0	8	5	9	4

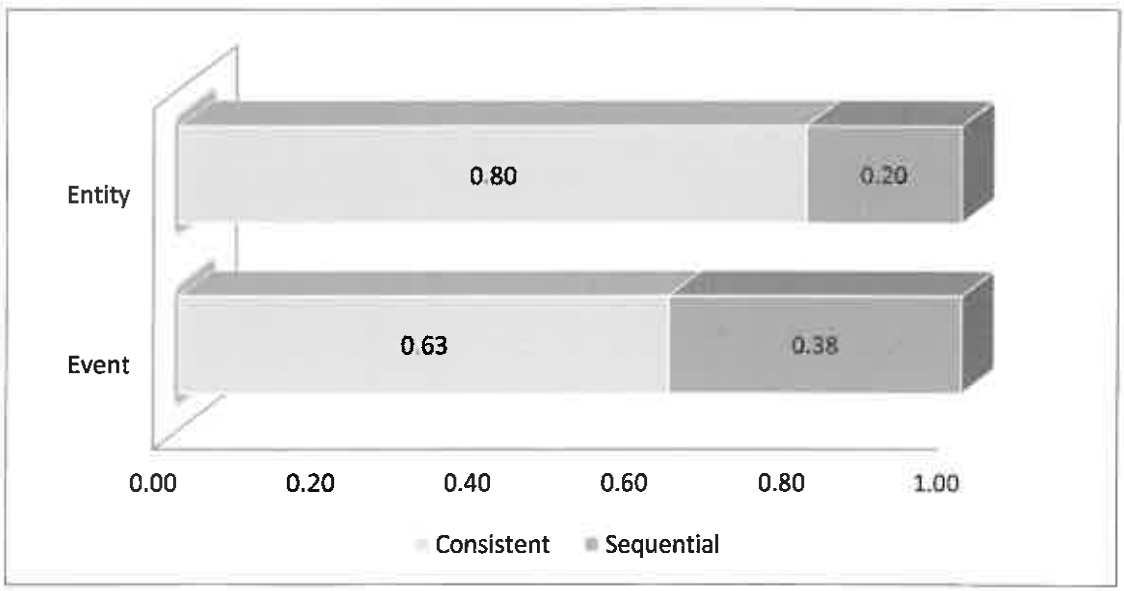
Consistent and Sequential - Overall

Consistent	9
Sequential	4



Consistent x Sequential Eyegaze Focus across the two concept classes

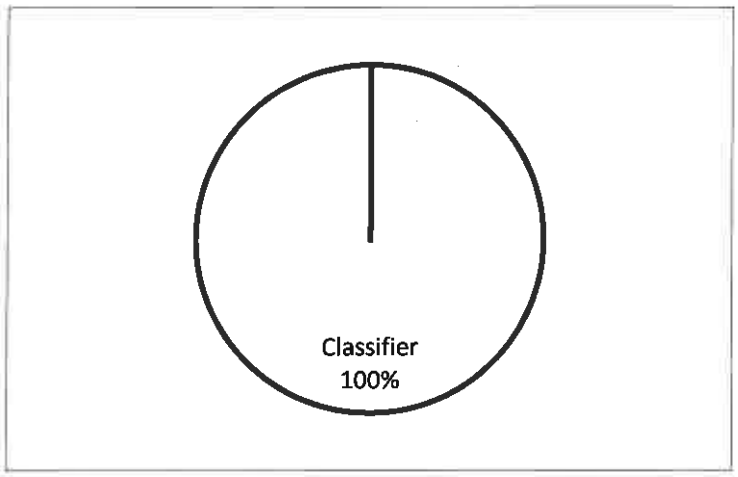
	Event	*Entity*
Consistent	*0.63*	0.80
Sequential	*0.38*	0.20



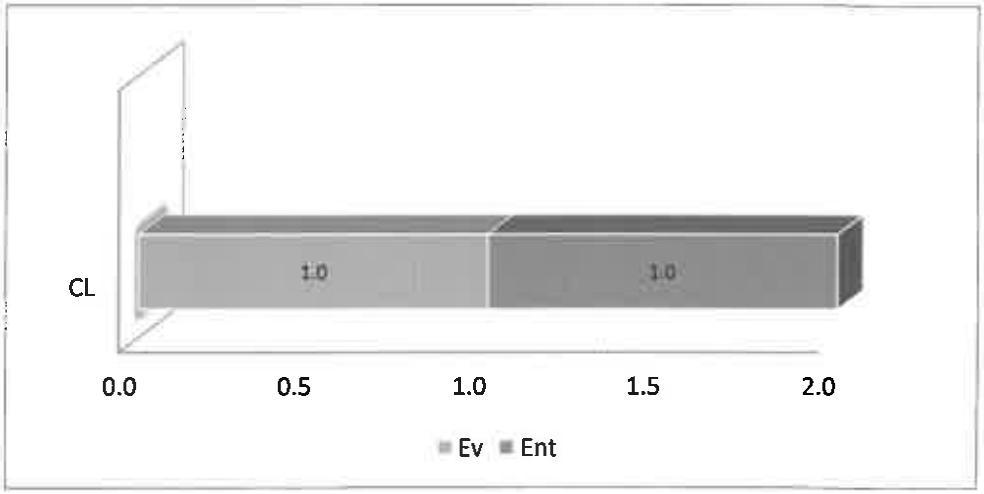
Start Time	CL-ID	Group	CL	Ref	CC Property	CC Event	CC Entity	Foc Consistent	Foc Sequential	Foc CL Whole	Foc CL	Total Focus CL	Foc Ref	Foc Remote Ref	Foc I-Obj	Foc Cam	Foc Invisible	TOTAL INSTANCES
19.871	8	C	TL	legs		1			1	1		1				1		2
24.05	9	C	TL	legs		1			1		1	1				1		2
6.03	12	C	TE	sewing needle		1		1		1		1						1
13.435	14	C	TL	legs		1		1			1	1						1
28.865	20	C	SPHERE	egg		1		1		1		1						1
10.27	34	C	STK	crochet needle		1			1	1		1				1		2
11.41	47	C	TL	legs		1		1			1	1						1
20.142	50	C	TL	legs		1		1		1		1						1
7.62	4	C	SPHERE	nest			1	1			1	1						1
12.55	26	C	SPHERE	nest			1		1		1	1						1
2	31	C	SPHERE	nest			1	1			1	1						1
2.19	41	C	SPHERE	nest			1	1			1	1						1
4.1	43	C	BEAK	bird			1	1			1	1						1
~~22.025~~	~~16~~	~~C~~	~~SPHERE~~	~~egg~~														
~~18.92~~	~~28~~	~~C~~	~~STK~~	~~crochet needle~~														
					0	8	5	9	4	5	8	13	0	0	0	3	0	16

Focal Points

Classifier	13



	Ev	*Ent*
CL	1.0	1.0



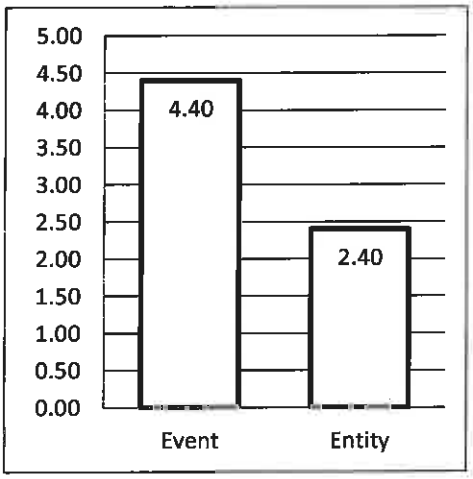
Group C (8): Mouth and Face Actions - Overall and Concept Classes

Clip	Start Time	CL-ID	Group	QT	CL HS	Referent	CC Property	CC Event	CC Entity	MFA LP	MFA LP Slightly	MFA LP Forward	MFA LP Inward	MFA LP Open	MFA LP Sour	MFA LP Smile	Total LP	MFA LPBT	MFA Tongue Prtr	MFA - TBTL	MFA Smile	Total All MFA(1)	Grand total MFA
1	19.871	8	C	1	TL	legs		1			1						1					1	3
1	24.05	9	C	1	TL	legs		1								1	1					1	2
2	6.03	12	C	1	TE	sewing needle		1					1				1					1	2
2	13.435	14	C	1	TL	legs		1			1				1		2		1			3	6
2	22.025	16	C	1	SPHERE	egg		1		1							1					1	9
2	28.865	20	C	1	SPHERE	egg		1		1							1					1	10
3	18.92	28	C	1	STK	crochet needle		1			1	1				1	3		1			4	5
4	10.27	34	C	1	STK	crochet needle		1								1	1					1	3
5	11.41	47	C	1	TL	legs		1						1			1					1	2
5	20.142	50	C	1	TL	legs		1						1			1					1	2
1	7.62	4	C	1	SPHERE	nest			1			1					1					1	2
3	12.55	26	C	1	SPHERE	nest			1							1	1					1	2
4	2	31	C	1	SPHERE	nest			1			1				1	2					2	3
5	2.19	41	C	1	SPHERE	nest			1							1	1					1	2
5	4.1	43	C	1	BEAK	bird			1	1	1						2					2	3
							0	10	5	3	4	3	1	2	1	6	20	0	2	0	0	22	56

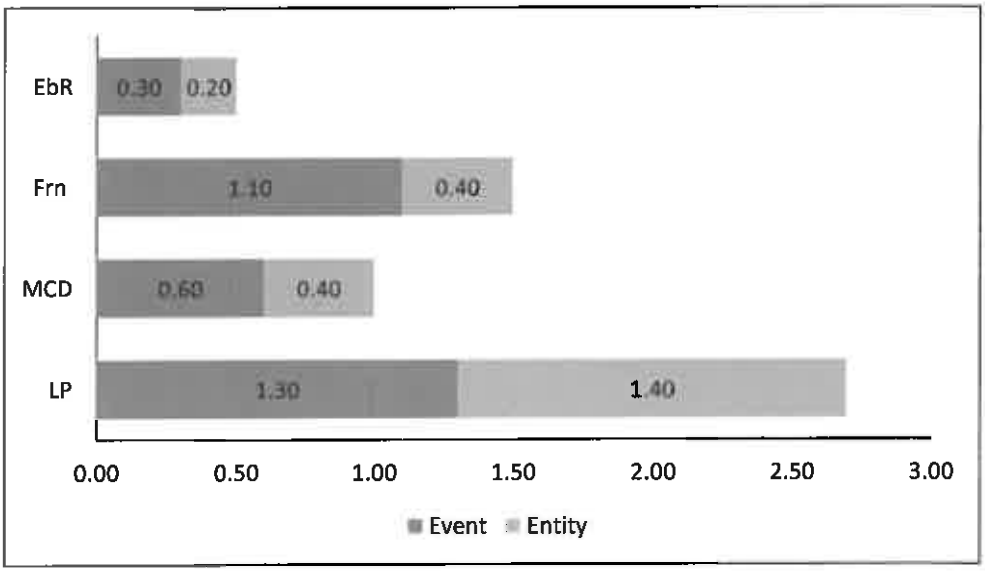
Group C (8): Mouth and Face Actions - Overall and Concept Classes

	Clip	Start Time	CL-ID	Group	QT	CL HS	Referent	CC Property	CC Event	CC Entity	MFA MCD	MFA BIG	MFA EA	MFA SA	MFA CPf	MFA CH	MFA WrNse	MFA Frn	MFA Sq	MFA EbR	Total All MFA (2)
	1	19.871	8	C	1	TL	legs		1									1		1	2
	1	24.05	9	C	1	TL	legs		1											1	1
	2	6.03	12	C	1	TE	sewing needle		1									1			1
	2	13.435	14	C	1	TL	legs		1									2		1	3
	2	22.025	16	C	1	SPHERE	egg		1		3		1		3	1					8
	2	28.865	20	C	1	SPHERE	egg		1				1	2	1			5			9
	3	18.92	28	C	1	STK	crochet needle		1									1			1
	4	10.27	34	C	1	STK	crochet needle		1		1							1			2
	5	11.41	47	C	1	TL	legs		1		1										1
	5	20.142	50	C	1	TL	legs		1		1										1
	1	7.62	4	C	1	SPHERE	nest			1								1			1
	3	12.55	26	C	1	SPHERE	nest			1										1	1
	4	2	31	C	1	SPHERE	nest			1								1			1
	5	2.19	41	C	1	SPHERE	nest			1	1										1
	5	4.1	43	C	1	BEAK	bird			1	1										1
					15			0	10	5	8	0	2	2	4	1	0	13	0	4	34

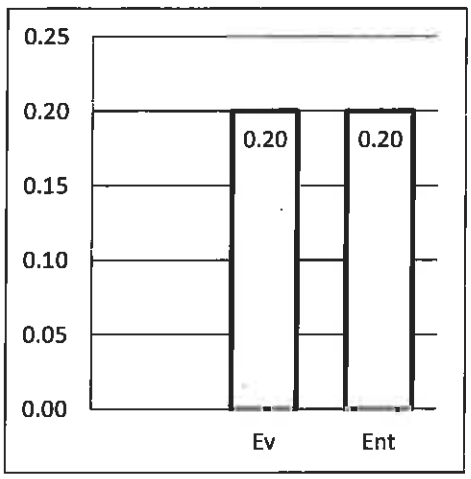
	Event	*Entity*
MFA	4.40	2.40



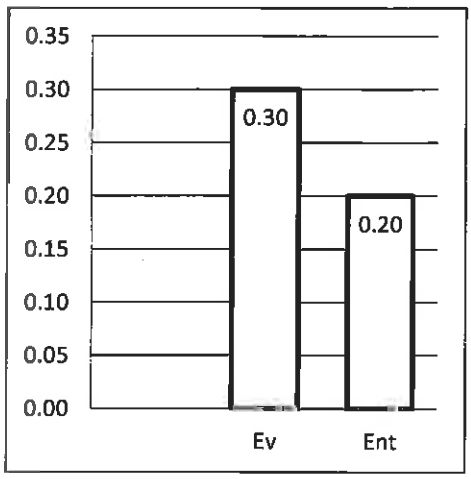
	Event	***Entity***
LP	1.30	1.40
MCD	0.60	0.40
Frn	1.10	0.40
EbR	0.30	0.20



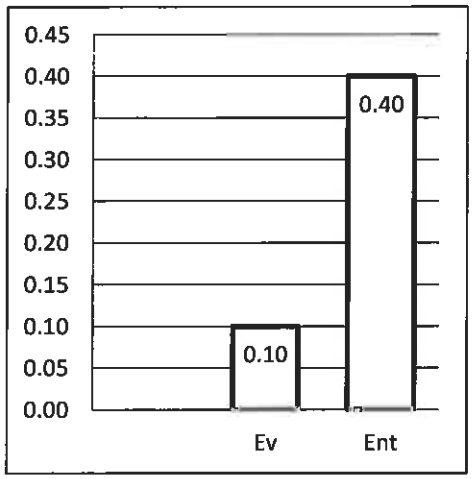
	Ev	*Ent*
LP	0.20	0.20



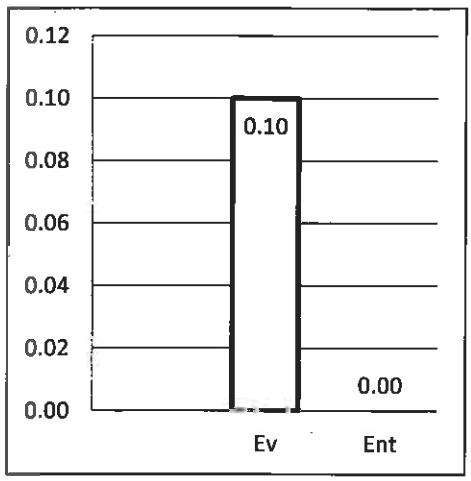
	Ev	*Ent*
LPS	0.30	0.20



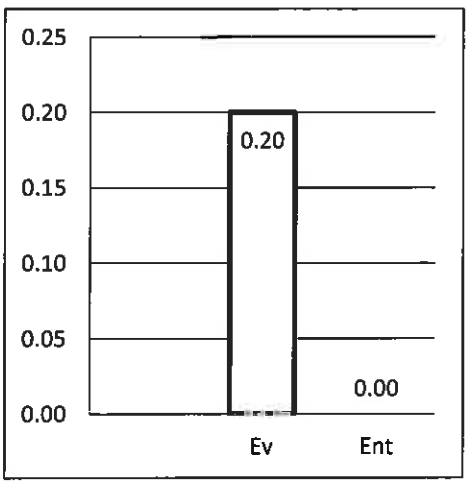
	Ev	*Ent*
LPFw	0.10	0.40



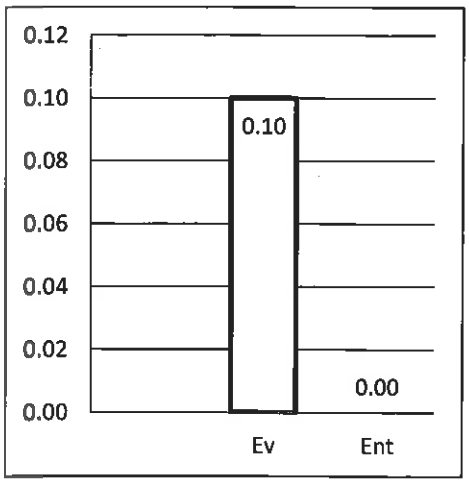
	Ev	*Ent*
LPInw	0.10	0.00



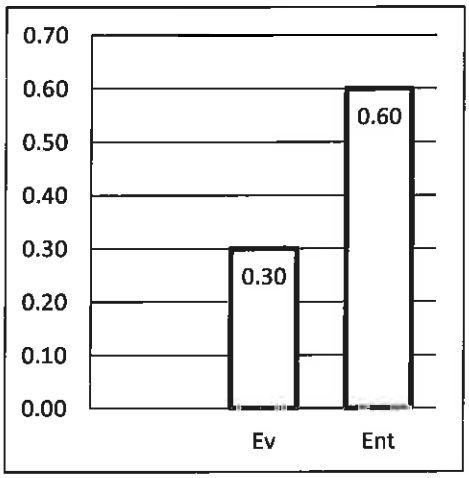
	Ev	*Ent*
LPO	0.20	0.00



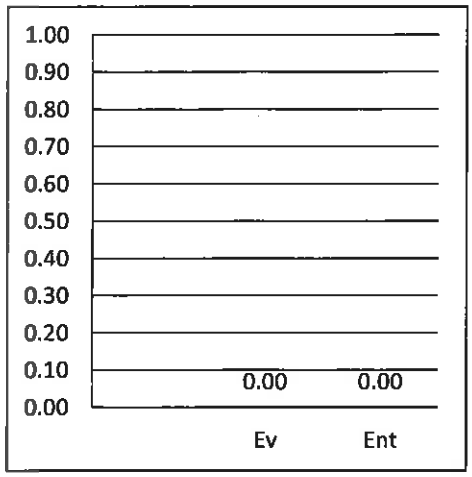
	Ev	*Ent*
LPSour	0.10	0.00



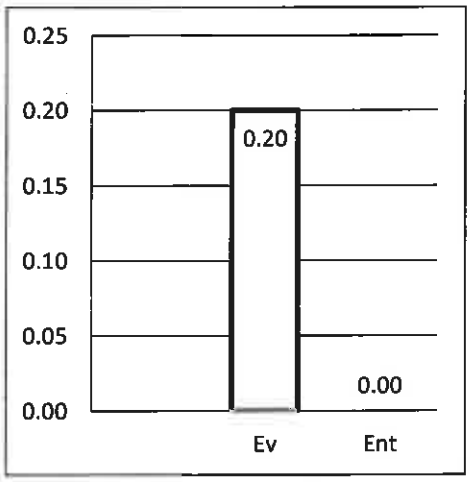
	Ev	*Ent*
LPSm	0.30	0.60



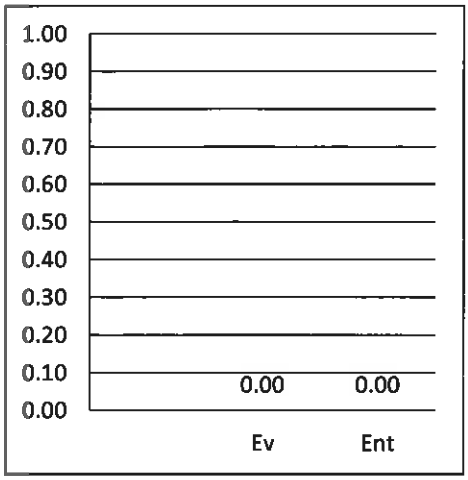
	Ev	*Ent*
LPBT	0.00	0.00



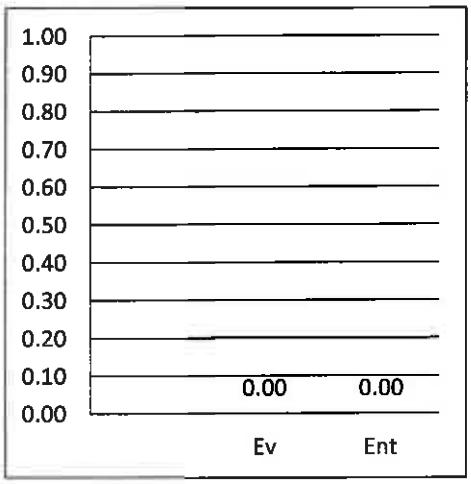
	Ev	*Ent*
TPrtr	0.20	0.00



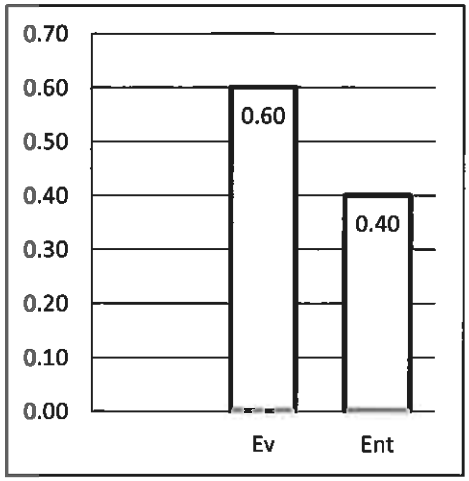
	Ev	*Ent*
TBTL	0.00	0.00



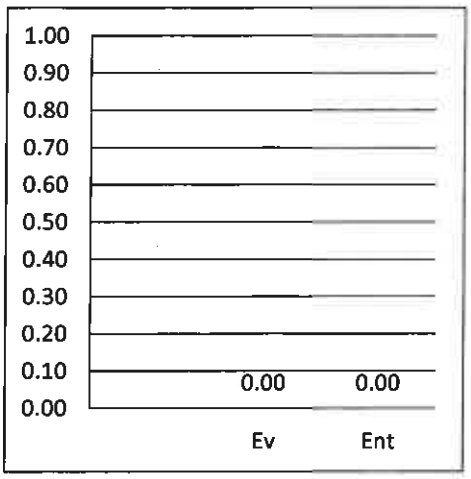
	Ev	*Ent*
Smile	0.00	0.00



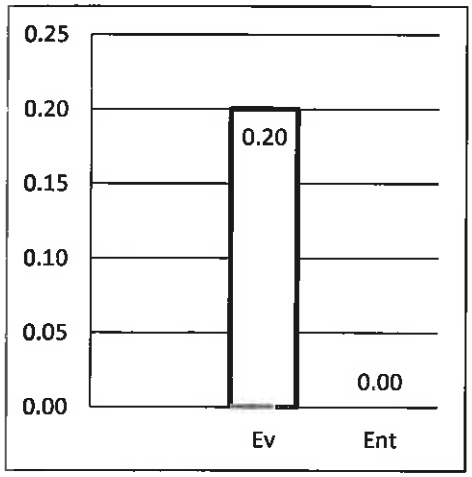
	Ev	*Ent*
MCD	0.60	0.40



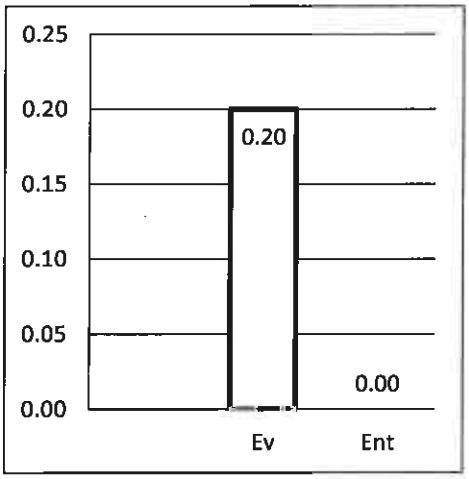
	Ev	*Ent*
BIG	0.00	0.00



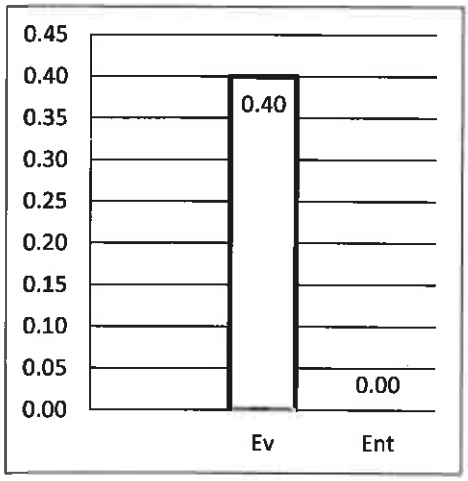
	Ev	*Ent*
EA	0.20	0.00



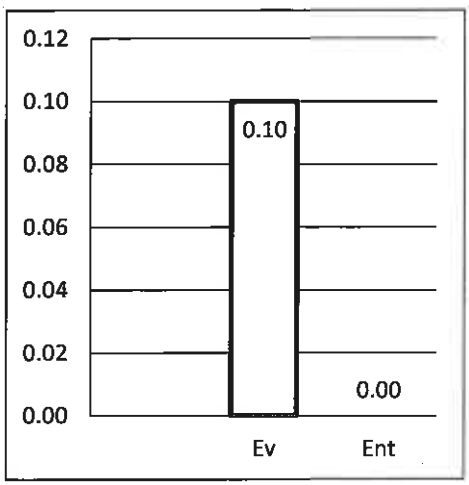
	Ev	*Ent*
SA	0.20	0.00



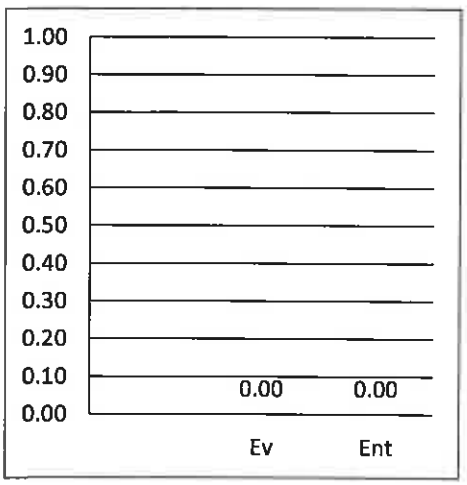
	Ev	*Ent*
CPf	0.40	0.00



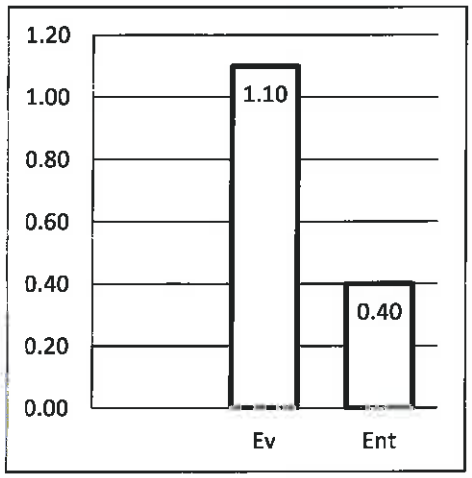
	Ev	*Ent*
CH	0.10	0.00



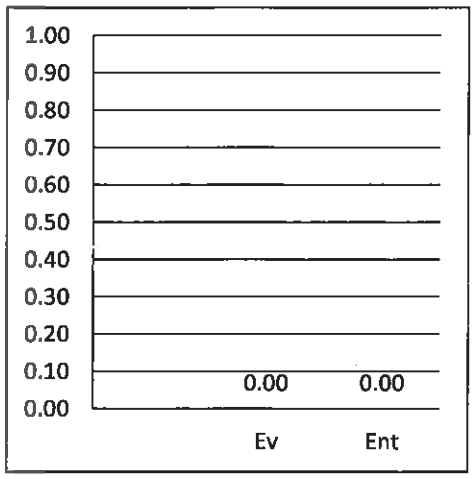
	Ev	*Ent*
WrNse	0.00	0.00



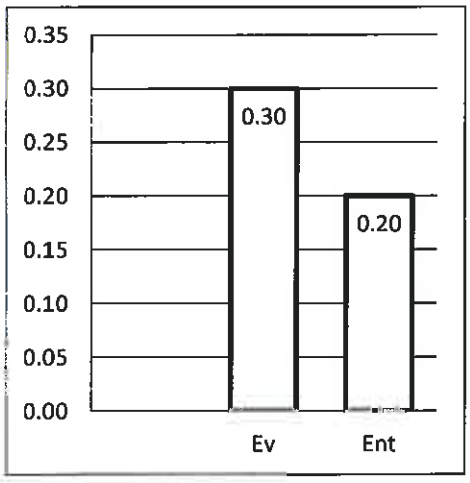
	Ev	*Ent*
Frn	1.10	0.40



	Ev	*Ent*
Sq	0.00	0.00



	Ev	*Ent*
EbR	0.30	0.20

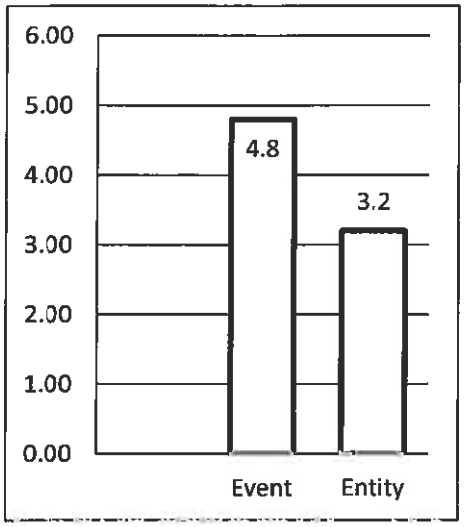


Group C (9): Movement Overall

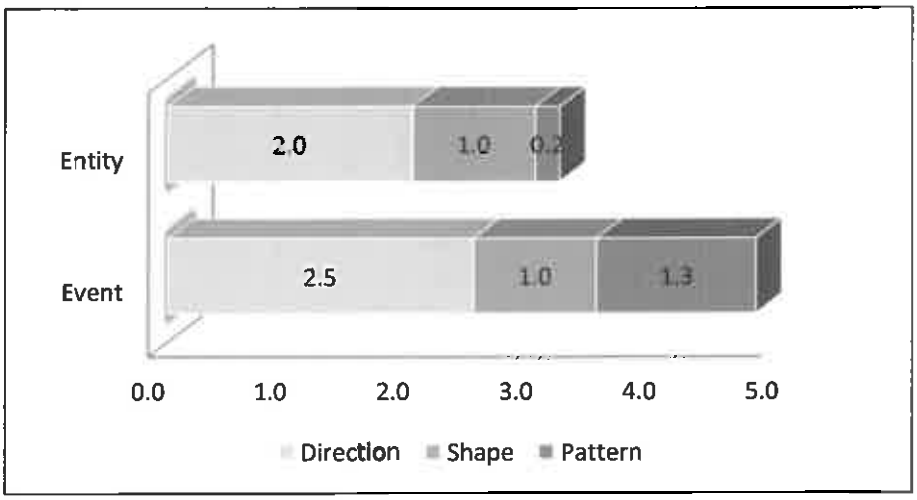
Clip	Start Time	CL-ID	Group	QT	CL	Ref	CC Property	CC Event	CC Entity	Mvt Path Direction Left	Mvt Path Direction Right	Mvt Path Direction Up	Mvt Path Direction Down	Mvt Path Direction Forward	Mvt Path Direction Backward	Mvt Path Direction Convergent	Mvt Path Direction Divergent	Mvt Path Shape Arc	Mvt Path Shape Circle	Mvt Path Shape Line	Mvt Pattern ALTERNATING	Mvt Pattern BENDING	Mvt Pattern BOUNCING	Mvt Pattern CLOSE	Mvt Pattern CO	Mvt Pattern OPEN	Mvt Pattern RUBBING	Mvt Pattern WIGGLING
1	19.871	8	C	1	TL	legs		1				1	1		1			1				1						
1	24.05	9	C	1	TL	legs		1				1	1	1				1				1						
2	6.03	12	C	1	TE	sewing needle		1		1		1							1						1			
2	13.435	14	C	1	TL	legs		1				1	1					1				1						
2	22.025	16	C	1	SPHERE	egg		1						1				1										
2	28.865	20	C	1	SPHERE	egg		1				2	2							1			1	1		1		
3	18.92	28	C	1	STK	crochet needle		1		1	1			1	1					1					1		1	
4	10.27	34	C	1	STK	crochet needle		1		1	1							1							1		1	
5	11.41	47	C	1	TL	legs		1				1	1					1				1						
5	20.142	50	C	1	TL	legs		1				1	1							1		1						
1	7.62	4	C	1	SPHERE	nest			1			1	1							1								
3	12.55	26	C	1	SPHERE	nest			1			1	1							1								
4	2	31	C	1	SPHERE	nest			1			1	1							1					1			
5	2.19	41	C	1	SPHERE	nest			1			1				1				1								
5	4.1	43	C	1	BEAK	bird			1			1	1							1								
				15			**0**	**10**	**5**	**3**	**2**	**13**	**11**	**3**	**2**	**1**	**0**	**6**	**1**	**8**	**0**	**5**	**1**	**1**	**4**	**1**	**2**	**0**

Total instances ***64***

	Event	*Entity*
Movement Overall	4.8	3.2

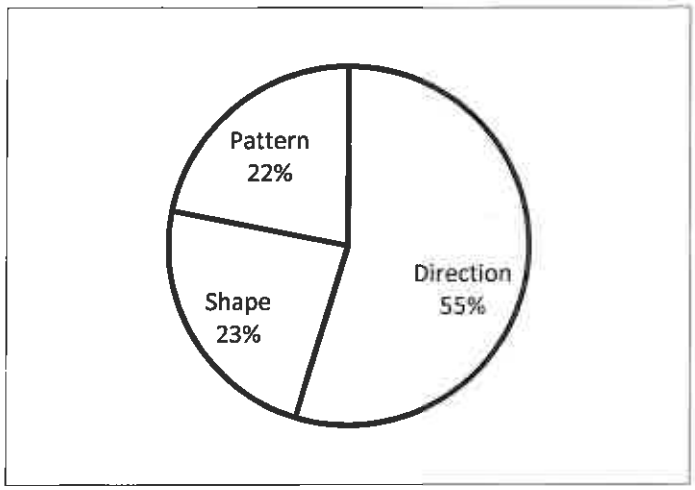


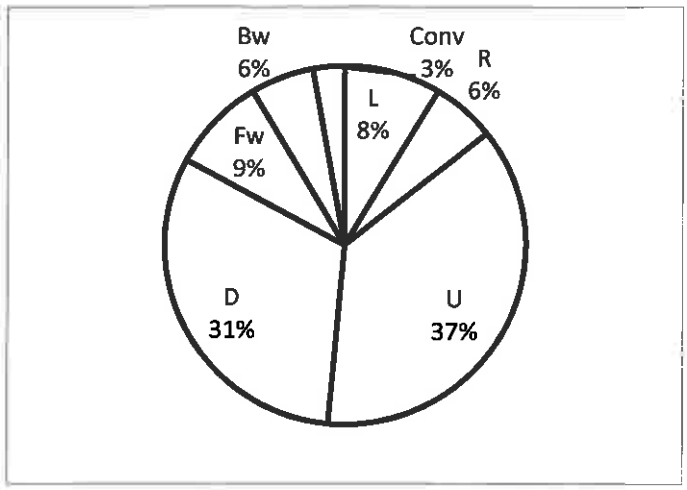
	Event	*Entity*
Direction	2.5	2.0
Shape	1.0	1.0
Pattern	1.3	0.2



Direction	35
Shape	15
Pattern	14

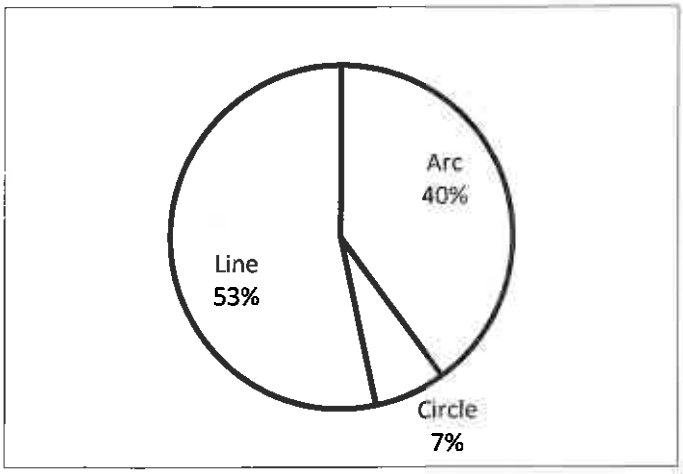
Direction	
L	3
R	2
U	13
D	11
Fw	3
Bw	2
Conv	1

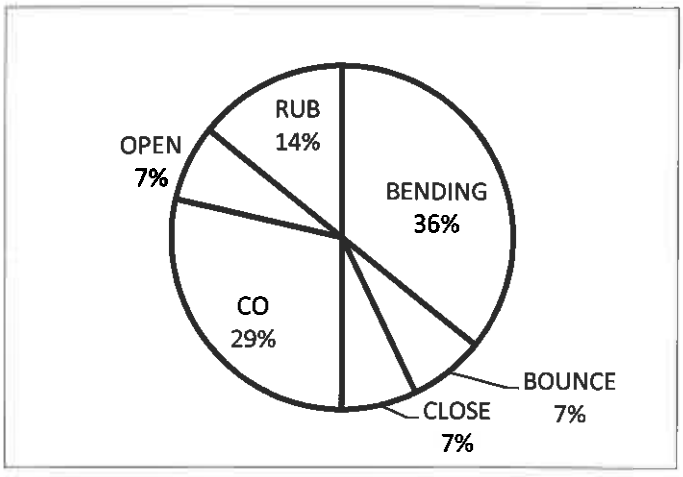




Shape	
Arc	6
Circle	1
Line	8
	15

Pattern	
BENDING	5
BOUNCE	1
CLOSE	1
CO	4
OPEN	1
RUB	2

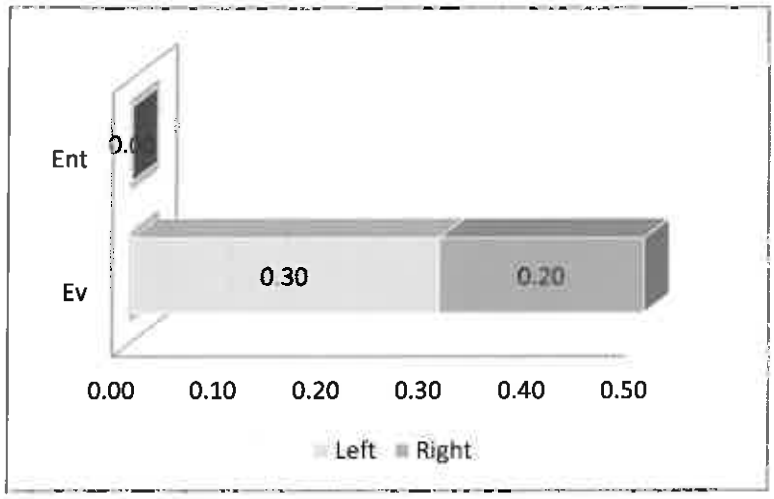




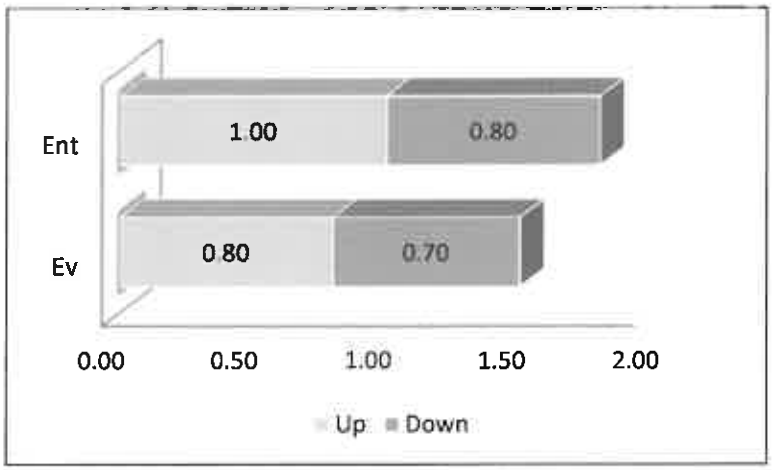
Group C (10): Movement and Concept Classes

Clip	Start Time	CL-ID	Group	QT	CL	Ref	CC Property	CC Event	CC Entity	MvtPD Left	MvtPD Right	MvtPD Up	MvtPD Down	MvtPD Forward	MvtPD Backward	MvtPD Convergent	MvtPD Divergent	MvtPS Arc	MvtPS Circle	MvtPS Line	MvtPat ALT	MvtPat BEND	MvtPat BOUNCE	MvtPat CLOSE	MvtPat CO	MvtPat OPEN	MvtPat RUB	MvtPat WIGGLE
1	19.871	8	C	1	TL	legs		1				1	1		1			1				1						
1	24.05	9	C	1	TL	legs		1				1	1	1				1				1						
2	6.03	12	C	1	TE	sewing needle		1		1		1							1						1			
2	13.435	14	C	1	TL	legs		1				1	1					1				1						
2	22.025	16	C	1	SPHERE	egg		1						1				1										
2	28.865	20	C	1	SPHERE	egg		1				2	2							1			1	1		1		
3	18.92	28	C	1	STK	crochet needle		1		1	1			1	1					1					1		1	
4	10.27	34	C	1	STK	crochet needle		1		1	1							1							1		1	
5	11.41	47	C	1	TL	legs		1				1	1					1				1						
5	20.142	50	C	1	TL	legs		1				1	1							1		1						
1	7.62	4	C	1	SPHERE	nest			1			1	1							1								
3	12.55	26	C	1	SPHERE	nest			1			1	1							1								
4	2	31	C	1	SPHERE	nest			1			1	1							1					1			
5	2.19	41	C	1	SPHERE	nest			1			1				1				1								
5	4.1	43	C	1	BEAK	bird			1			1	1							1								
				15			**0**	**10**	**5**	**3**	**2**	**13**	**11**	**3**	**2**	**1**	**0**	**6**	**1**	**8**	**0**	**5**	**1**	**1**	**4**	**1**	**2**	**0**

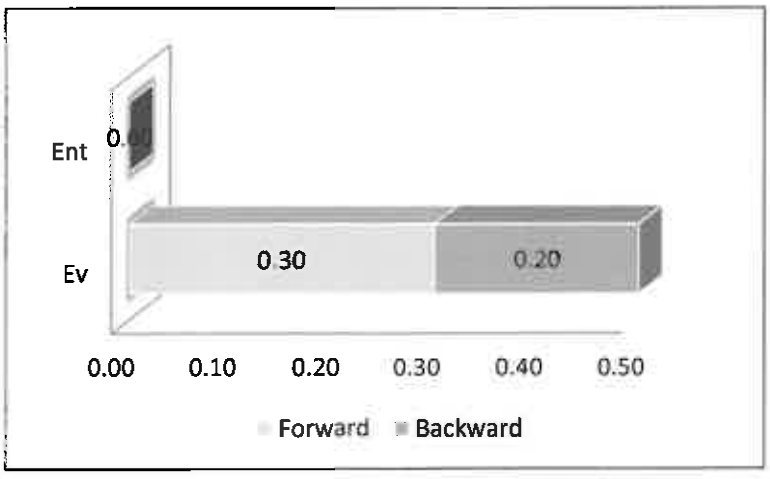
	Ev	*Ent*
Left	0.30	0.00
Right	0.20	0.00



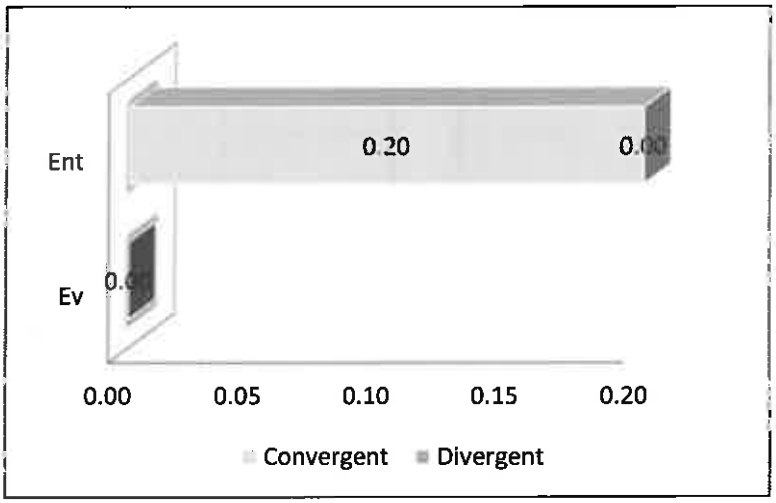
	Ev	*Ent*
Up	0.80	1.00
Down	0.70	0.80



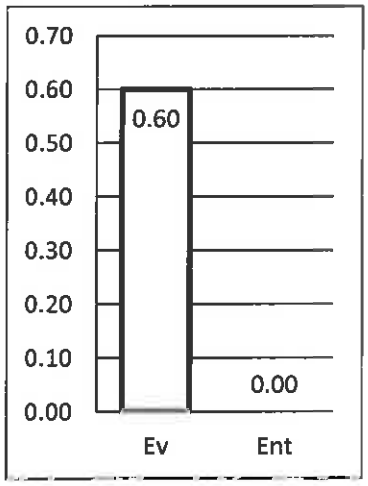
	Ev	*Ent*
Forward	0.30	0.00
Backward	0.20	0.00



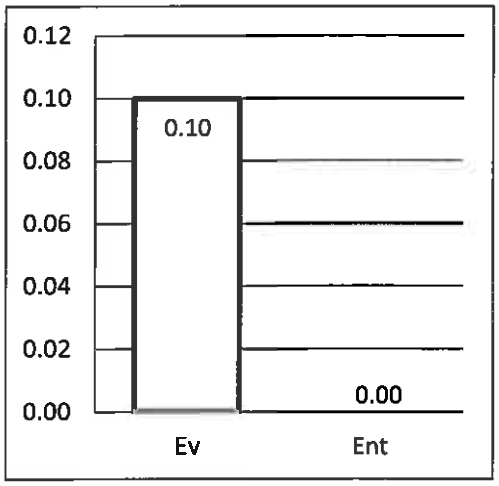
	Ev	*Ent*
Convergent	0.00	0.20
Divergent	0.00	0.00



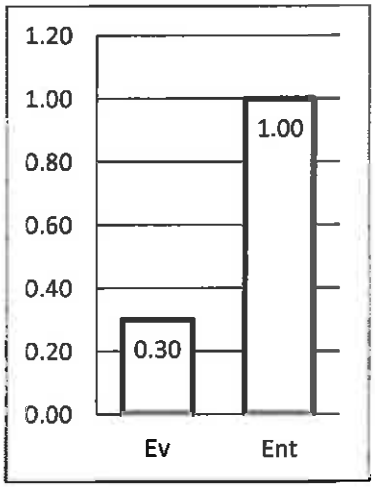
	Ev	*Ent*
Arc	0.60	0.00



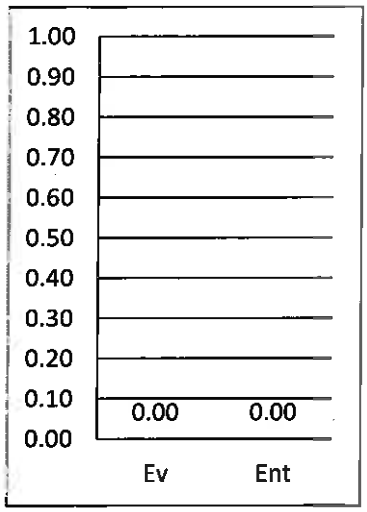
	Ev	*Ent*
Circle	0.10	0.00



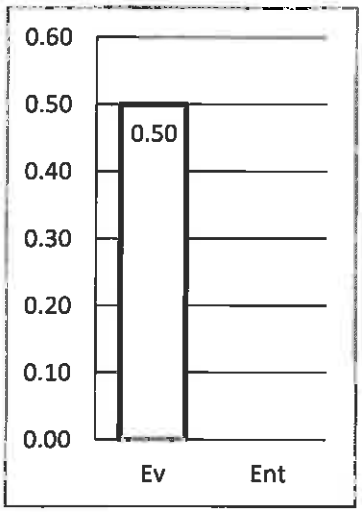
	Ev	*Ent*
Line	0.30	1.00



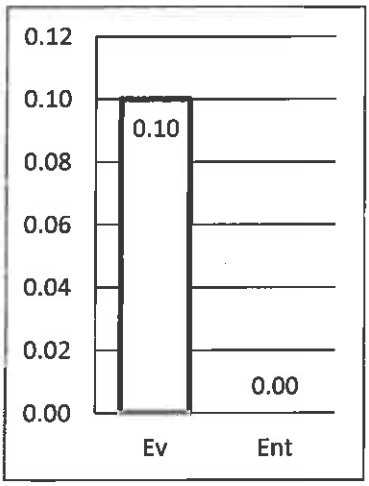
	Ev	*Ent*
ALT	**0.00**	**0.00**



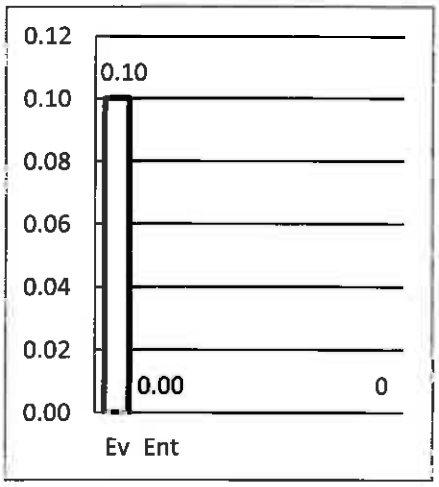
	Ev	*Ent*
BENDING	**0.50**	



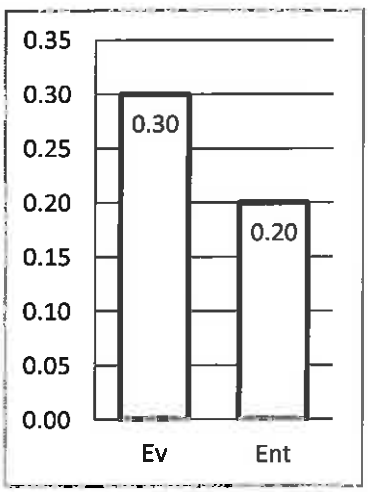
	Ev	*Ent*
BOUNCE	**0.10**	**0.00**



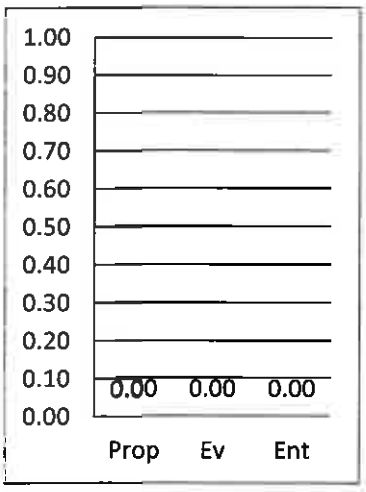
	Ev	*Ent*
CLOSE	**0.10**	**0.00**



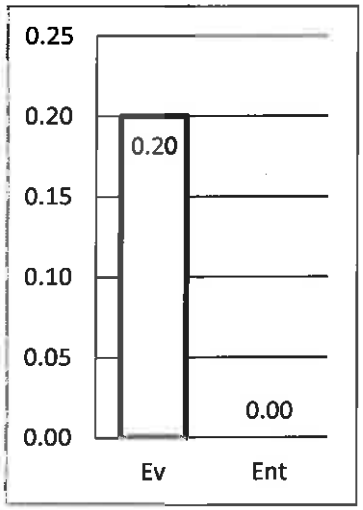
	Ev	*Ent*
CO	**0.30**	**0.20**



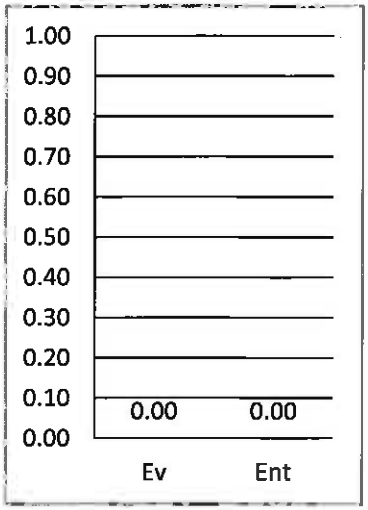
Prop	*Ev*	*Ent*
0.00	**#REF!**	**0.00**



	Ev	*Ent*
RUB	**0.20**	**0.00**



	Ev	*Ent*
WIGGLE	**0.00**	**0.00**



	Ev	*Ent*
OPEN	**0.10**	**0.00**

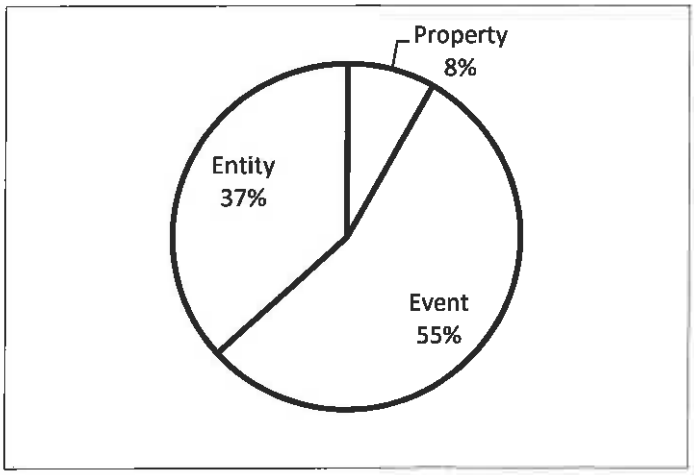
Appendix G

All Groups – Excel Sheets

Start Time	CL-ID	Group	Gloss	CL	Ref
0.666	1	A	TREE-MANY	TREE	trees
2.120	2	B	GRASS-LOTS	EXP-GROWTH	grass
4.190	3	B	CLOUDS-MANY-IN-SKY	SPHERE	clouds
7.62	4	C	NEST-IN-BRANCH-FORK	PINKY-FORK	branch
7.62	4	C	NEST-IN-BRANCH-FORK	SPHERE	nest
12.301	5	B	NEST-BIG	SPHERE	nest
13.241	6	B	KNIT	STK	needles
18.786	7	A	EGG-BULGE	SPHERE	egg
19.871	8	C	JUMP-OFF-EGG-WHILE-LOOK-AT-EGG	CN	egg
19.871	8	C	JUMP-OFF-EGG-WHILE-LOOK-AT-EGG	TL	legs
24.05	9	C	JUMP-ON-EGG	CN	egg
24.05	9	C	JUMP-ON-EGG	TL	legs
~~24.849~~	~~10~~	~~B~~	~~COVER-EGG~~	~~BB (Bent B)~~	
3.401	11	B	NEST	WO	nest
6.03	12	C	SEW-SMALL-PANTS	SE	part of small pants
6.03	12	C	SEW-SMALL-PANTS	TE	sewing needle
10.590	13	A	PICK-UP-AND-LOOK-AT-CLOCK	WC	clock
13.435	14	C	JUMP-ON-AND-SIT-ON-EDGE-NEST	CN	nest
13.435	14	C	JUMP-ON-AND-SIT-ON-EDGE-NEST	TL	legs
16.770	15	A	THIS-EGG	SPHERE	egg
22.025	16	C	EGG-PEEP-OUT-FROM-UNDER-BLANKET	BB (Bent B)	blanket
22.025	16	C	EGG-PEEP-OUT-FROM-UNDER-BLANKET	SPHERE	egg
22.510	17	B	WRAP-EGG-WITH-BLANKET	CB (Alt)	blanket
24.249	18	B	BIRD-CLAW-BLANKET-STRETCH	WS	blanket
26.101	19	A	LEAVE-FROM-COVERED NEST	PL-H	nest
28.865	20	C	EGG-BOUNCE-IN-NEST	CN	nest
28.865	20	C	EGG-BOUNCE-IN-NEST	SPHERE	egg
0.810	21	B	SURROUNDINGS-BIG	PL-H-WIDE	surroundings
2.460	22	B	GRASS-LOTS	EXP-GROWTH	grass
4.090	23	B	EARTH-LOTS	FO	earth
5.530	24	B	TREE-MANY	TREE (Alt)	trees
11.657	25	A	FORK-IN-TREE-BRANCH	PINKY-FORK	branch
12.55	26	C	NEST-IN-BRANCH-FORK	PINKY-FORK	branch(RH)
12.55	26	C	NEST-IN-BRANCH-FORK	SPHERE	nest
13.970	27	B	NEST	C-BENT-5 (CLOSED BENT 5)	nest
18.92	28	C	CROCHET-SMALL-PANTS	STK	crochet needle
18.92	28	C	CROCHET-SMALL-PANTS	STK	part of small pants
24.430	29	B	EGG-BULGE	SPHERE	egg
33.660	30	A	PICK-UP-AND-LOOK-AT-CLOCK	WC	clock
2	31	C	NEST-IN-BRANCH-FORK	PINKY-FORK	branch
2	31	C	NEST-IN-BRANCH-FORK	SPHERE	nest
5.060	32	B	BUM-SIT-DOWN-ON-EGG	SPHERE	bum
7.060	33	B	BUM-WIGGLE	SPHERE	bum
10.27	34	C	CROCHET-PANTS	STK	crochet needle
10.27	34	C	CROCHET-PANTS	STK	part of small pants
13.785	35	A	TUMMY-RIGHT-SIDE-LIFT-LOOK-AT-OBJECT	SPHERE	tummy
15.229	36	A	LOOK-AT-EGG-THERE	SPHERE	egg
23.120	37	A	PICK-UP-AND-LOOK-AT-EGG-CURIOUS	SPHERE	egg
23.770	38	B	COVER-EGG-WITH-BUM	SPHERE	bum
26.940	39	A	CLOCK-THERE	SPHERE	clock
28.562	40	A	(LOOK-AT-OBJECT)-EGG-THERE	SPHERE	egg
2.19	41	C	NEST-IN-BRANCH-FORK	PINKY-FORK	branch
2.19	41	C	NEST-IN-BRANCH-FORK	SPHERE	nest
3.800	42	B	NEST	SPHERE	nest
4.1	43	C	BIRD-SIT-IN-NEST	BEAK	bird
4.1	43	C	BIRD-SIT-IN-NEST	SPHERE	nest
8.110	44	B	SEW-SMALL-PANTS	TE	sewing needle
8.796	45	B	BIRD-PULL-UP-LEGS	STK	legs
9.806	46	B	MOVE-TUMMY-LEFT	SPHERE	tummy
11.41	47	C	BIRD-SIT-ON-EGG	SPHERE	egg
11.41	47	C	BIRD-SIT-ON-EGG	TL	legs
18.587	48	A	PICK-UP-AND-LOOK-AT-CLOCK	WC	clock
19.421	49	B	PULL-UP-RIGHT-LEG-PULL-UP-LEFT-LEG	STK (Alt)	legs
20.142	50	C	BIRD-JUMP-ON-EDGE-OF-NEST	CN	nest
20.142	50	C	BIRD-JUMP-ON-EDGE-OF-NEST	TL	legs

Start Time	CL-ID	Group	Gloss	CL HS	Referent	CC Property	CC Event	CC Entity
4.190	3	B	CLOUDS-MANY-IN-SKY	SPHERE	clouds	1		
12.301	5	B	NEST	SPHERE	nest	1		
13.970	27	B	NEST	C-BENT-5	nest	1		
3.800	42	B	NEST	SPHERE	nest	1		
13.241	6	B	KNIT	STK	needles		1	
18.786	7	A	EGG-BULGE	SPHERE	egg		1	
19.871	8	C	JUMP-OFF-EGG-WHILE-LOOK-AT-EGG	TL	legs		1	
24.05	9	C	JUMP-OFF-EGG-WHILE-LOOK-AT-EGG	TL	legs		1	
6.03	12	C	SEW-SMALL-PANTS	TE	sewing needle		1	
10.590	13	A	PICK-UP-AND-LOOK-AT-CLOCK	WC	clock		1	
13.435	14	C	JUMP-ON-AND-SIT-ON-EDGE-NEST	TL	legs		1	
22.025	16	C	EGG-PEEP-OUT-FROM-UNDER-BLANKET	SPHERE	egg		1	
22.510	17	B	WRAP-EGG-WITH-BLANKET	CB (Alt)	blanket		1	
24.249	18	B	BIRD-CLAW-BLANKET-STRETCH	WS	blanket		1	
28.865	20	C	EGG-BOUNCE-IN-NEST	SPHERE	egg		1	
18.92	28	C	CROCHET-PANTS	STK	crochet needle		1	
24.430	29	B	EGG-BULGE	SPHERE	egg		1	
33.660	30	A	PICK-UP-AND-LOOK-AT-CLOCK	WC	clock		1	
5.060	32	B	BUM-SIT-DOWN-ON-EGG	SPHERE	bum		1	
7.060	33	B	BUM-WIGGLE	SPHERE	bum		1	
10.27	34	C	CROCHET-PANTS	STK	crochet needle		1	
13.785	35	A	TUMMY-RIGHT-SIDE-LIFT-LOOK-AT-OBJECT	SPHERE	tummy		1	
23.120	37	A	PICK-UP-AND-LOOK-AT-EGG-CURIOUS	SPHERE	egg		1	
23.770	38	B	COVER-EGG-WITH-BUM	SPHERE	bum		1	
8.110	44	B	SEW-SMALL-PANTS	TE	sewing needle		1	
8.796	45	B	BIRD-PULL-UP-LEGS	STK	legs		1	
9.806	46	B	MOVE-TUMMY-LEFT	SPHERE	tummy		1	
11.41	47	C	BIRD-SIT-ON-EGG	TL	legs		1	
18.587	48	A	PICK-UP-AND-LOOK-AT-CLOCK	WC	clock		1	
19.421	49	B	PULL-UP-RIGHT-LEG-PULL-UP-LEFT-LEG	STK (Alt)	legs		1	
20.142	50	C	BIRD-JUMP-ON-EDGE-OF-NEST	TL	legs		1	
0.666	1	A	TREE-MANY	TREE	trees			1
2.120	2	B	GRASS-LOTS	EXP-GROWTH	grass			1
7.62	4	C	NEST-IN-BRANCH-FORK	SPHERE	nest			1
3.401	11	B	NEST	WO	nest			1
16.770	15	A	THIS-EGG	SPHERE	egg			1
26.101	19	A	LEAVE-FROM-COVERED NEST	PL-H	nest			1
0.810	21	B	SURROUNDINGS-BIG	PL-H-WIDE	surroundings			1
2.460	22	B	GRASS-LOTS	EXP-GROWTH	grass			1
4.090	23	B	EARTH-LOTS	FO	earth			1
5.530	24	B	TREE-MANY	TREE (Alt)	trees			1
11.657	25	A	FORK-IN-TREE-BRANCH	PINKY-FORK	branch			1
12.55	26	C	NEST-IN-BRANCH-FORK	SPHERE	nest			1
2	31	C	NEST-IN-BRANCH-FORK	SPHERE	nest			1
15.229	36	A	LOOK-AT-EGG-THERE	SPHERE	egg			1
26.940	39	A	CLOCK-THERE	SPHERE	clock			1
28.562	40	A	(LOOK-AT-OBJECT)-EGG-THERE	SPHERE	egg			1
2.19	41	C	NEST-IN-BRANCH-FORK	SPHERE	nest			1
4.1	43	C	BIRD-SIT-IN-NEST	BEAK	bird			1
~~24.849~~	~~10~~	~~B~~	~~COVER-EGG~~	~~BB (Bent B)~~				
						4	27	18

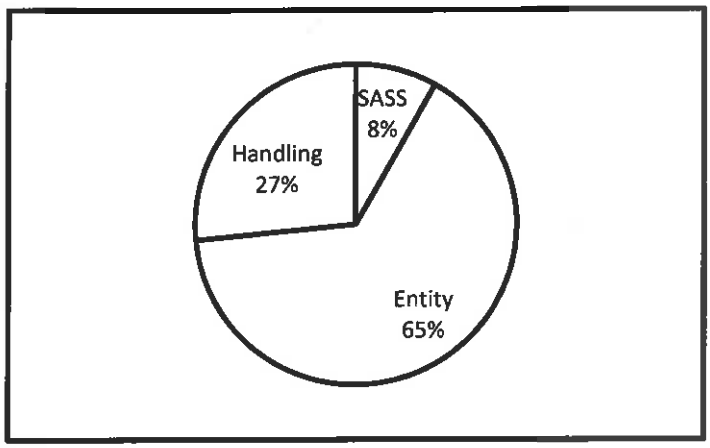
Property	4
Event	27
Entity	18



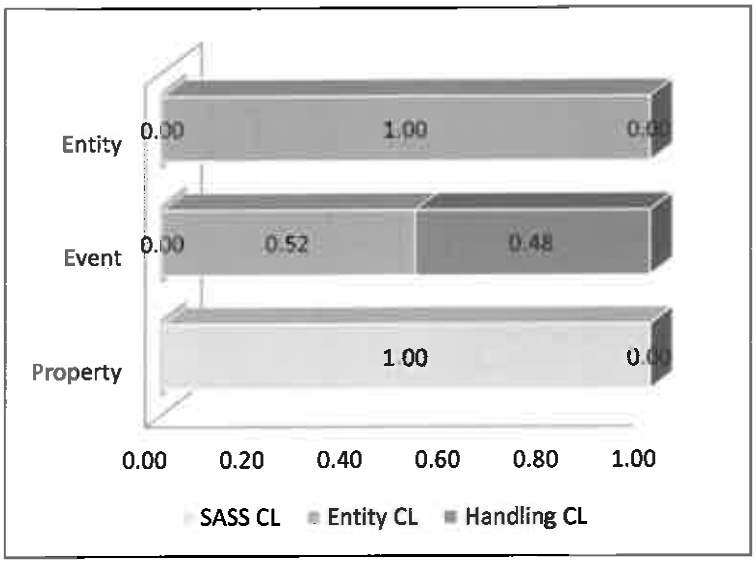
Start Time	CL-ID	Group	CL HS	Referent	CC Property	CC Event	CC Entity	SASS	Entity CL	Handling CL		
~~24.849~~	~~10~~	~~B~~	~~BB (Bent B)~~									
4.190	3	B	SPHERE	clouds	1			1				
12.301	5	B	SPHERE	nest	1			1				
13.970	27	B	C-BENT-5	nest	1			1				
3.800	42	B	SPHERE	nest	1			1			4	
13.241	6	B	STK	needles		1				1		
18.786	7	A	SPHERE	egg		1			1			
19.871	8	C	TL	legs		1			1			
24.05	9	C	TL	legs		1			1			
6.03	12	C	TE	sewing needle		1				1		
10.590	13	A	WC	clock		1				1		
13.435	14	C	TL	legs		1			1			
22.025	16	C	SPHERE	egg		1			1			
22.510	17	B	CB (Alt)	blanket		1				1		
24.249	18	B	WS	blanket		1				1		
28.865	20	C	SPHERE	egg		1			1			
18.92	28	C	STK	crochet needle		1				1		
24.430	29	B	SPHERE	egg		1			1			
33.660	30	A	WC	clock		1				1		
5.060	32	B	SPHERE	bum		1			1			
7.060	33	B	SPHERE	bum		1			1			
10.27	34	C	STK	crochet needle		1				1		
13.785	35	A	SPHERE	tummy		1				1		
23.120	37	A	SPHERE	egg		1				1		
23.770	38	B	SPHERE	bum		1			1			
8.110	44	B	TE	sewing needle		1				1		
8.796	45	B	STK	legs		1			1			
9.806	46	B	SPHERE	tummy		1				1		
11.41	47	C	TL	legs		1			1			
18.587	48	A	WC	clock		1				1		
19.421	49	B	STK (Alt)	legs		1			1			
20.142	50	C	TL	legs		1			1		14	13
0.666	1	A	TREE	trees			1		1			
2.120	2	B	EXP-GROWTH	grass			1		1			
7.62	4	C	SPHERE	nest			1		1			
3.401	11	B	WO	nest			1		1			
16.770	15	A	SPHERE	egg			1		1			
26.101	19	A	PL-H	nest			1		1			
0.810	21	B	PL-H-WIDE	surroundings			1		1			
2.460	22	B	EXP-GROWTH	grass			1		1			
4.090	23	B	FO	earth			1		1			
5.530	24	B	TREE (Alt)	trees			1		1			
11.657	25	A	PINKY-FORK	branch			1		1			
12.55	26	C	SPHERE	nest			1		1			
2	31	C	SPHERE	nest			1		1			
15.229	36	A	SPHERE	egg			1		1			
26.940	39	A	SPHERE	clock			1		1			
28.562	40	A	SPHERE	egg			1		1			
2.19	41	C	SPHERE	nest			1		1			
4.1	43	C	BEAK	bird			1		1		18	
					4	27	18	4	32	13		

Overall Distribution

SASS	4
Entity	32
Handling	13

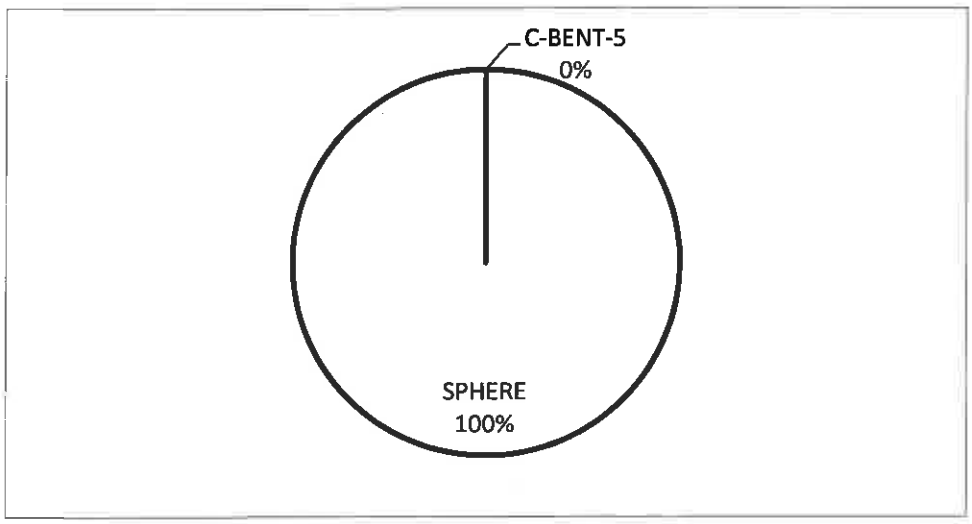


	Property	*Event*	*Entity*
SASS CL	1.00	0.00	0.00
Entity CL	0.00	0.52	1.00
Handiing CL	0.00	0.48	0.00

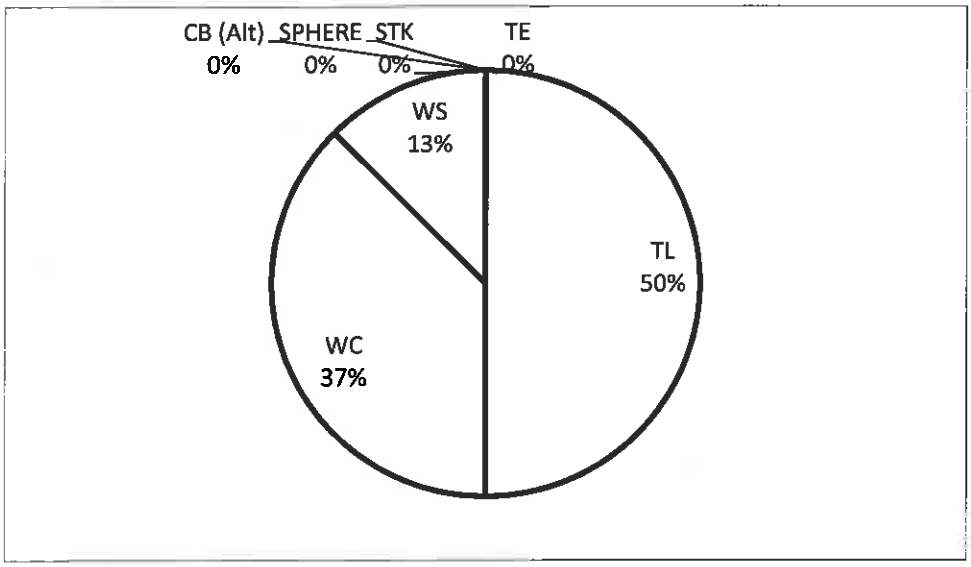


Start Time	CL-ID	Group	CL HS	Referent	CC Property	CC Event	CC Entity
22.025	16	C	BB (Bent B)	blanket			1
4.1	43	C	BEAK	bird			1
13.970	27	B	C BENT-5	nest	1		
22.510	17	B	CB (Alt)	blanket		1	
19.871	8	C	CN	egg			1
24.05	9	C	CN	egg			1
13.435	14	C	CN	nest			1
28.865	20	C	CN	nest			1
20.142	50	C	CN	nest			1
2.120	2	B	EXP-GROWTH	grass			1
2.460	22	B	EXP-GROWTH	grass			1
4.090	23	B	FO	earth			1
7.62	4	C	PINKY-FORK	branch			1
11.657	25	A	PINKY-FORK	branch			1
12.55	26	C	PINKY-FORK	branch			1
2	31	C	PINKY-FORK	branch			1
2.19	41	C	PINKY-FORK	branch			1
26.101	19	A	PL-H	nest			1
0.810	21	B	PL-H-WIDE	surroundings			1
6.03	12	C	SE	part of small pants			1
4.190	3	B	SPHERE	clouds	1		
12.301	5	B	SPHERE	nest	1		
3.800	42	B	SPHERE	nest	1		
18.786	7	A	SPHERE	egg		1	
22.025	16	C	SPHERE	egg		1	
28.865	20	C	SPHERE	egg		1	
24.430	29	B	SPHERE	egg		1	
5.060	32	B	SPHERE	bum		1	
7.060	33	B	SPHERE	bum		1	
13.785	35	A	SPHERE	tummy		1	
23.120	37	A	SPHERE	egg		1	
23.770	38	B	SPHERE	bum		1	
9.806	46	B	SPHERE	tummy		1	
7.62	4	C	SPHERE	nest			1
16.770	15	A	SPHERE	egg			1
12.55	26	C	SPHERE	nest			1
2	31	C	SPHERE	nest			1
15.229	36	A	SPHERE	egg			1
26.940	39	A	SPHERE	clock			1
28.562	40	A	SPHERE	egg			1
2.19	41	C	SPHERE	nest			1
4.1	43	C	SPHERE	nest			1
11.41	47	C	SPHERE	egg			1
13.241	6	B	STK	knitting needles		1	
18.92	28	C	STK	crochet needle		1	
10.27	34	C	STK	crochet needle		1	
8.796	45	B	STK	legs		1	
18.92	28	C	STK	part of small pants			1
10.27	34	C	STK	part of small pants			1
19.421	49	B	STK (Alt)	legs		1	
6.03	12	C	TE	sewing needle		1	
8.110	44	B	TE	sewing needle		1	
19.871	8	C	TL	legs		1	
24.05	9	C	TL	legs		1	
13.435	14	C	TL	legs		1	
11.41	47	C	TL	legs		1	
20.142	50	C	TL	legs		1	
0.666	1	A	TREE	trees			1
5.530	24	B	TREE (Alt)	trees			1
10.590	13	A	WC	clock		1	
33.660	30	A	WC	clock		1	
18.587	48	A	WC	clock		1	
3.401	11	B	WO	nest			1
24.249	18	B	WS	blanket		1	
~~24.349~~	~~10~~	~~B~~	~~BB (Bent B)~~				
					4	27	33

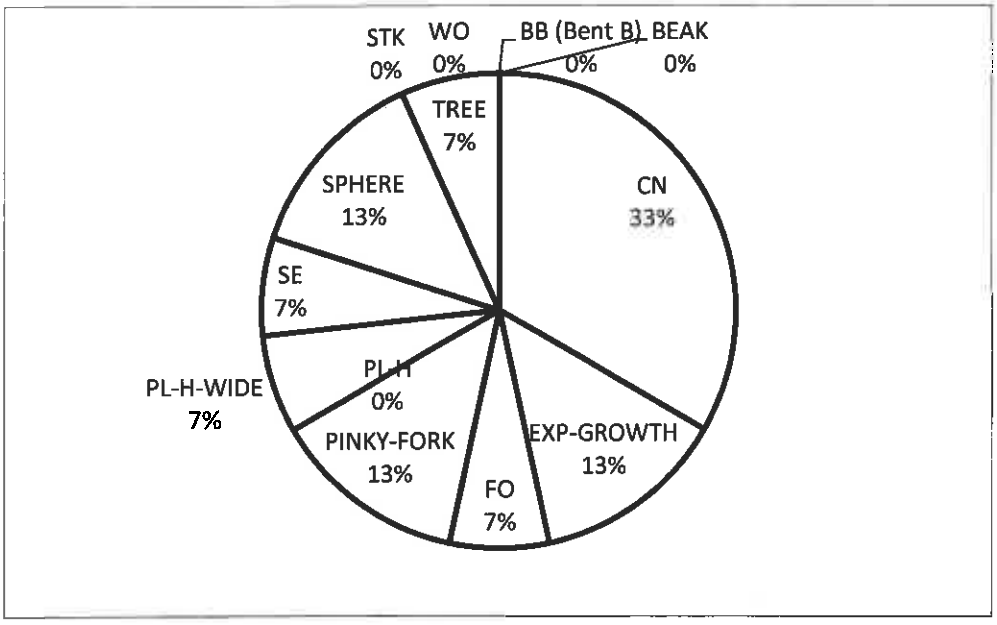
CC *Property*	
C-BENT-5	0
SPHERE	0.25



CC *Event*	
CB (Alt)	0.00
SPHERE	0.00
STK	0.00
TE	0.00
TL	0.15
WC	0.11
WS	0.04

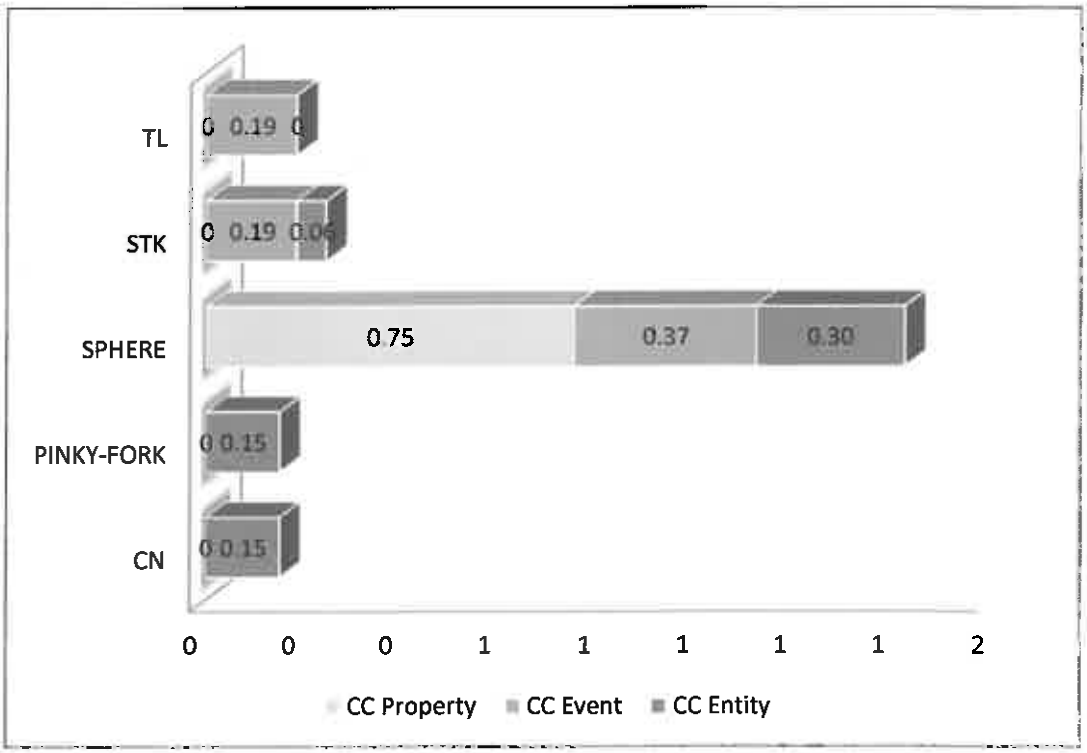


CC *Entity*	
BB (Bent B)	0.00
BEAK	0.00
CN	0.15
EXP-GROWTH	0.06
FO	0.03
PINKY-FORK	0.06
PL-H	0.00
PL-H-WIDE	0.03
SE	0.03
SPHERE	0.06
STK	0.00
TREE	0.03
WO	0.00



All Groups (4): Distribution of CL Handshapes and Concept Classes

	CC Property	CC Event	CC Entity
CN	0	0	0.15
PINKY-FORK	0	0	0.15
SPHERE	0.75	0.37	0.30
STK	0	0.19	0.06
TL	0	0.19	0



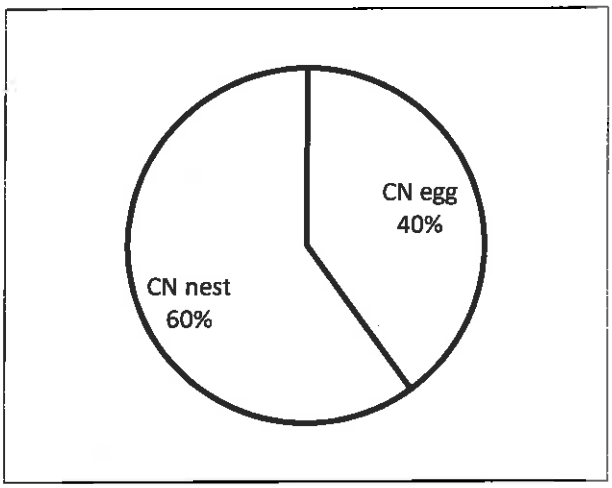
Start Time	CL-ID	Group	CL HS	Referent	CC Property	CC Event	CC Entity
4.1	43	C	BEAK-BP	bird			1
13.435	14	C	CN	nest			1
28.865	20	C	CN	nest			1
20.142	50	C	CN	nest			1
22.025	16	C	CRO	blanket			1
2.120	2	B	EXP-GROWTH	grass			1
2.460	22	B	EXP-GROWTH	grass			1
22.510	17	B	FOL	blanket		1	
4.090	23	B	GRS	earth			1
10.590	13	A	HRO	clock		1	
33.660	30	A	HRO	clock		1	
18.587	48	A	HRO	clock		1	
24.249	18	B	HWO	blanket		1	
13.970	27	B	OCO	nest	1		
24.430	**29**	**B**	**ORO**	**egg**		**1**	
26.101	19	A	PL-H	nest			1
0.810	21	B	PL-H-WIDE	surroundings			1
19.871	8	C	RO	egg			1
24.05	9	C	RO	egg			1
6.03	12	C	SE	part of small pants			1
18.92	28	C	SE	part of small pants			1
10.27	34	C	SE	part of small pants			1
7.62	4	C	SPHERE	nest			1
12.301	5	B	SPHERE	nest	1		
28.865	20	C	SPHERE	egg		1	
12.55	26	C	SPHERE	nest			1
2	31	C	SPHERE	nest			1
13.785	35	A	SPHERE	tummy		1	
15.229	36	A	SPHERE	egg			1
23.120	37	A	SPHERE	egg		1	
26.940	39	A	SPHERE	clock			1
28.562	40	A	SPHERE	egg			1
2.19	41	C	SPHERE	nest			1
3.800	42	B	SPHERE	nest	1		
4.1	43	C	SPHERE	nest			1
9.806	46	B	SPHERE	tummy		1	
11.41	47	C	SPHERE	egg			1
5.060	32	B	SPHERE-BP	bum		1	
7.060	33	B	SPHERE-BP	bum		1	
23.770	38	B	SPHERE-BP	bum		1	
18.786	7	A	SPHERE-CL	egg		1	
22.025	16	C	SPHERE-CL	egg		1	
16.770	15	A	SPHERE-HCL	egg			1
7.62	4	C	SPLIT-V-PLU	branch			1
11.657	25	A	SPLIT-V-PLU	branch			1
12.55	26	C	SPLIT-V-PLU	branch			1
2	31	C	SPLIT-V-PLU	branch			1
2.19	41	C	SPLIT-V-PLU	branch			1
13.241	6	B	STK	knitting needles		1	
8.796	45	B	STK	legs		1	
19.421	49	B	STK (Alt)	legs		1	
18.92	28	C	STK-HOOK	crochet needle		1	
10.27	34	C	STK-HOOK	crochet needle		1	
6.03	12	C	TE	sewing needle		1	
8.110	44	B	TE	sewing needle		1	
19.871	8	C	TL	legs		1	
24.05	9	C	TL	legs		1	
13.435	14	C	TL	legs		1	
11.41	47	C	TL	legs		1	
20.142	50	C	TL	legs		1	
4.190	3	B	TOS	clouds	1		
0.666	1	A	TREE	trees			1
5.530	24	B	TREE (Alt)	trees			1
3.401	11	B	WO	nest			1
~~**24.849**~~	~~**10**~~	~~**B**~~	~~**BB (Bent-B)**~~				
					4	**27**	**33**

BEAK-BP	1	ent
CN	3	ent
CRO	1	ent
EXP-GROWTH	2	ent
FOL	1	EV
GRS	1	ent
HRO	3	EV
HWO	1	EV
OCO	1	PROP
PL-H	1	ent
PL-H-WIDE	1	ent
RO	2	ent
SE	3	ent
SPHERE	2	PROP
SPHERE	4	EV
SPHERE	8	ent
SPHERE-BP	3	EV
SPHERE-CL	2	EV
SPHERE-HCL	1	ent
SPLIT-V-PLU	5	ent
STK	3	EV
STK-HOOK	2	EV
TE	2	EV
TL	5	EV
TOS	1	PROP
TREE	2	ent
WO	1	ent

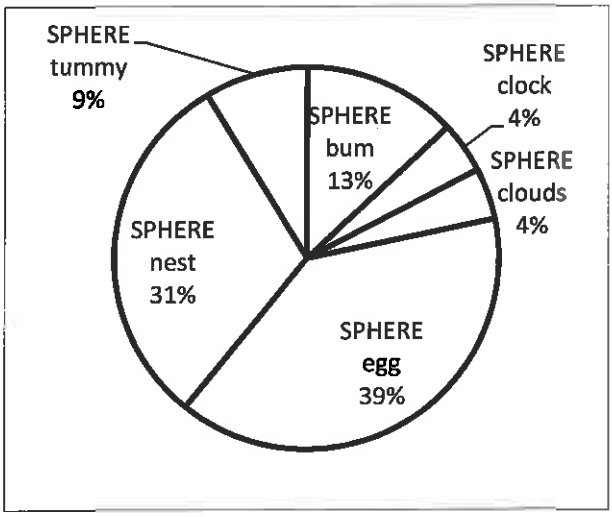
Start Time	CL-ID	Group	CL HS	Referent	CC Property	CC Event	CC Entity		
22.025	16	C	BB (Bent B)	blanket			1	BB (Bent B)	1
~~24.849~~	~~10~~	~~B~~	~~BB (Bent B)~~					BEAK	1
4.1	43	C	BEAK	bird			1	C BENT-5	1
13.970	27	B	C BENT-5	nest	1			CB (Alt)	1
22.510	17	B	CB (Alt)	blanket		1		CN	1
19.871	8	C	CN	egg			1	CN	1
24.05	9	C	CN	egg			1	CN	1
13.435	14	C	CN	nest			1	CN	1
28.865	20	C	CN	nest			1	CN	1
20.142	50	C	CN	nest			1	EXP-GROWTH	1
2.120	2	B	EXP-GROWTH	grass			1	EXP-GROWTH	1
2.460	22	B	EXP-GROWTH	grass			1	FO	1
4.090	23	B	FO	earth			1	PINKY-FORK	1
7.62	4	C	PINKY-FORK	branch			1	PINKY-FORK	1
11.657	25	A	PINKY-FORK	branch			1	PINKY-FORK	1
12.55	26	C	PINKY-FORK	branch			1	PINKY-FORK	1
2	31	C	PINKY-FORK	branch			1	PINKY-FORK	1
2.19	41	C	PINKY-FORK	branch			1	PL-H	1
26.101	19	A	PL-H	nest			1	PL-H-WIDE	1
0.810	21	B	PL-H-WIDE	surroundings			1	SE	1
6.03	12	C	SE	part of small pants			1	SPHERE	1
7.060	33	B	SPHERE	bum		1		SPHERE	1
5.060	32	B	SPHERE	bum		1		SPHERE	1
23.770	38	B	SPHERE	bum		1		SPHERE	1
26.940	39	A	SPHERE	clock			1	SPHERE	1
4.190	3	B	SPHERE	clouds	1			SPHERE	1
18.786	7	A	SPHERE	egg		1		SPHERE	1
16.770	15	A	SPHERE	egg			1	SPHERE	1
22.025	16	C	SPHERE	egg		1		SPHERE	1
28.865	20	C	SPHERE	egg		1		SPHERE	1
24.430	29	B	SPHERE	egg		1		SPHERE	1
15.229	36	A	SPHERE	egg			1	SPHERE	1
23.120	37	A	SPHERE	egg		1		SPHERE	1
28.562	40	A	SPHERE	egg			1	SPHERE	1
11.41	47	C	SPHERE	egg			1	SPHERE	1
7.62	4	C	SPHERE	nest			1	SPHERE	1
12.301	5	B	SPHERE	nest	1			SPHERE	1
12.55	26	C	SPHERE	nest			1	SPHERE	1
2	31	C	SPHERE	nest			1	SPHERE	1
2.19	41	C	SPHERE	nest			1	SPHERE	1
3.800	42	B	SPHERE	nest	1			SPHERE	1
4.1	43	C	SPHERE	nest			1	SPHERE	1
13.785	35	A	SPHERE	tummy		1		SPHERE	1
9.806	46	B	SPHERE	tummy		1		STK	1
18.92	28	C	STK	crochet needle		1		STK	1
10.27	34	C	STK	crochet needle		1		STK	1
13.241	6	B	STK	knitting needles		1		STK	1
8.796	45	B	STK	legs		1		STK	1
18.92	28	C	STK	part of small pants			1	STK	1
10.27	34	C	STK	part of small pants			1	STK (Alt)	1
19.421	49	B	STK (Alt)	legs		1		TE	1
6.03	12	C	TE	sewing needle		1		TE	1
8.110	44	B	TE	sewing needle		1		TL	1
19.871	8	C	TL	legs		1		TL	1
24.05	9	C	TL	legs		1		TL	1
13.435	14	C	TL	legs		1		TL	1
11.41	47	C	TL	legs		1		TL	1
20.142	50	C	TL	legs		1		TREE	1
0.666	1	A	TREE	trees			1	TREE (Alt)	1
5.530	24	B	TREE (Alt)	trees			1	WC	1
10.590	13	A	WC	clock		1		WC	1
33.660	30	A	WC	clock		1		WC	1
18.587	48	A	WC	clock		1		WO	1
3.401	11	B	WO	nest			1	WS	1
24.249	18	B	WS	blanket		1			
					4	**27**	**33**		**64**

1 HS; Multiple Refs

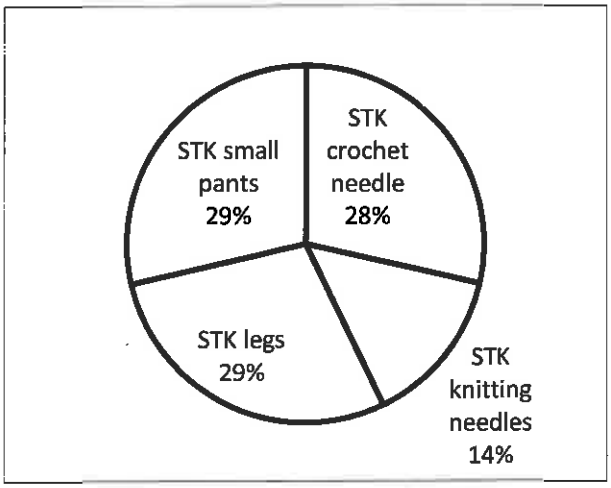
CN egg	2
CN nest	3



SPHERE bum	3
SPHERE clock	1
SPHERE clouds	1
SPHERE egg	9
SPHERE nest	7
SPHERE tummy	2
	23



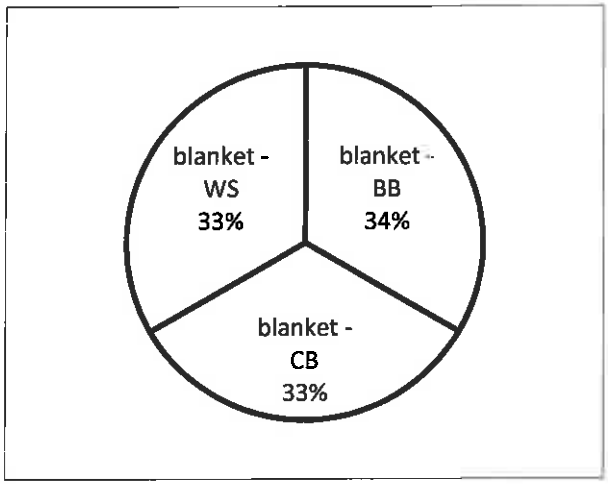
STK crochet needle	2
STK knitting needles	1
STK legs	2
STK small pants	2



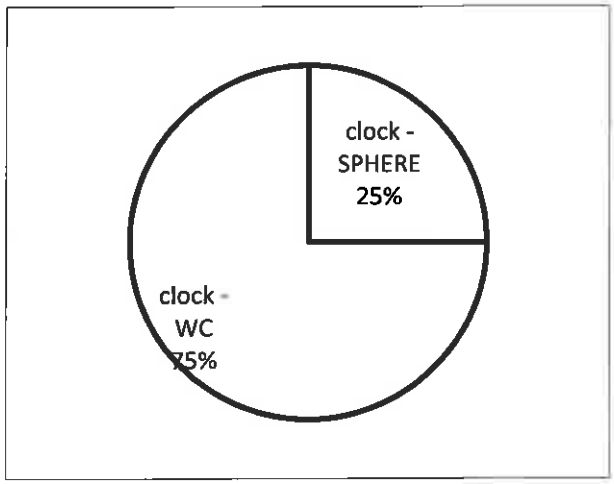
Start Time	CL-ID	Group	CL HS	Referent	CC Property	CC Event	CC Entity
4.1	43	C	BEAK	bird			1
22.025	16	C	BB (Bent B)	blanket			1
22.510	17	B	CB (Alt)	blanket		1	
24.249	18	B	WS	blanket		1	
11.657	25	A	PINKY-FORK	branch			1
7.62	4	C	PINKY-FORK	branch			1
12.55	26	C	PINKY-FORK	branch			1
2	31	C	PINKY-FORK	branch			1
2.19	41	C	PINKY-FORK	branch			1
7.060	33	B	SPHERE	bum		1	
23.770	38	B	SPHERE	bum		1	
5.060	32	B	SPHERE	bum		1	
26.940	39	A	SPHERE	clock			1
33.660	30	A	WC	clock		1	
10.590	13	A	WC	clock		1	
18.587	48	A	WC	clock		1	
4.190	3	B	SPHERE	clouds	1		
10.27	34	C	STK	crochet needle		1	
18.92	28	C	STK	crochet needle		1	
4.090	23	B	FO	earth			1
19.871	8	C	CN	egg			1
24.05	9	C	CN	egg			1
23.120	37	A	SPHERE	egg		1	
11.41	47	C	SPHERE	egg			1
16.770	15	A	SPHERE	egg			1
22.025	16	C	SPHERE	egg		1	
28.865	20	C	SPHERE	egg		1	
15.229	36	A	SPHERE	egg			1
24.430	29	B	SPHERE	egg		1	
28.562	40	A	SPHERE	egg			1
18.786	7	A	SPHERE	egg		1	
2.120	2	B	EXP-GROWTH	grass			1
2.460	22	B	EXP-GROWTH	grass			1
13.241	6	B	STK	knitting needles		1	
8.796	45	B	STK	legs		1	
19.421	49	B	STK (Alt)	legs		1	
19.871	8	C	TL	legs		1	
20.142	50	C	TL	legs		1	
24.05	9	C	TL	legs		1	
13.435	14	C	TL	legs		1	
11.41	47	C	TL	legs		1	
13.970	27	B	C BENT-5	nest	1		
13.435	14	C	CN	nest			1
28.865	20	C	CN	nest			1
20.142	50	C	CN	nest			1
26.101	19	A	PL-H	nest			1
2	31	C	SPHERE	nest			1
12.301	5	B	SPHERE	nest	1		
7.62	4	C	SPHERE	nest			1
12.55	26	C	SPHERE	nest			1
2.19	41	C	SPHERE	nest			1
4.1	43	C	SPHERE	nest			1
3.800	42	B	SPHERE	nest	1		
3.401	11	B	WO	nest			1
6.03	12	C	SE	part of small pants			1
10.27	34	C	STK	part of small pants			1
18.92	28	C	STK	part of small pants			1
8.110	44	B	TE	sewing needle		1	
6.03	12	C	TE	sewing needle		1	
0.810	21	B	PL-H-WIDE	surroundings			1
0.666	1	A	TREE	trees			1
5.530	24	B	TREE (Alt)	trees			1
9.806	46	B	SPHERE	tummy		1	
13.785	35	A	SPHERE	tummy		1	
~~24.849~~	~~10~~	~~B~~	~~BB (Bent B)~~				
					4	27	33

1 Ref; Mult HS

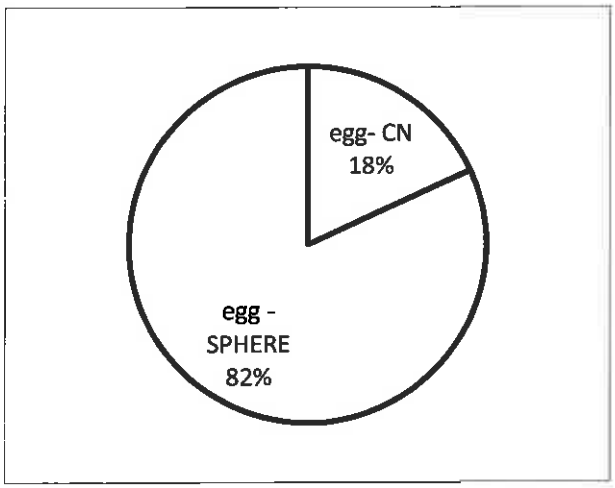
blanket - BB	1
blanket - CB	1
blanket - WS	1



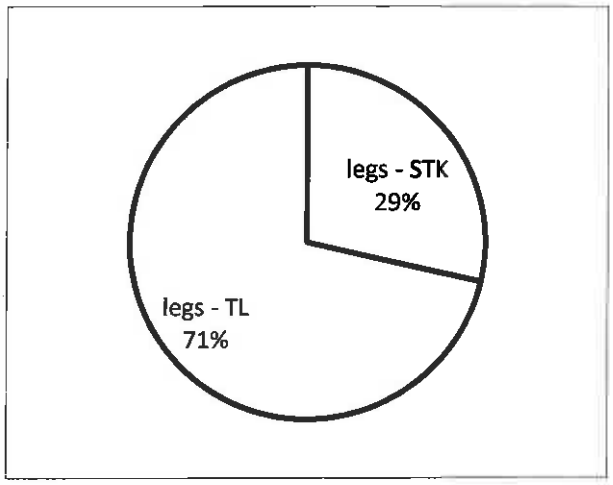
clock - SPHERE	1
clock - WC	3



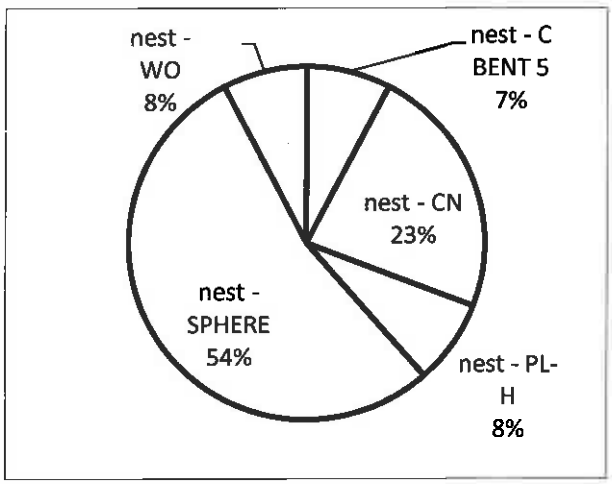
egg- CN	2
egg - SPHERE	9



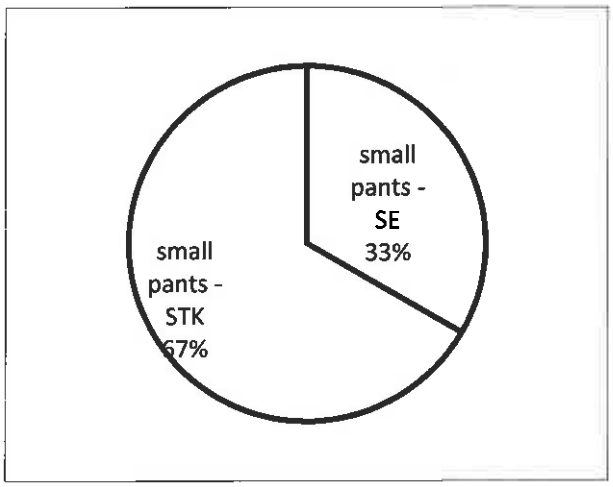
legs - STK	2
legs - TL	5



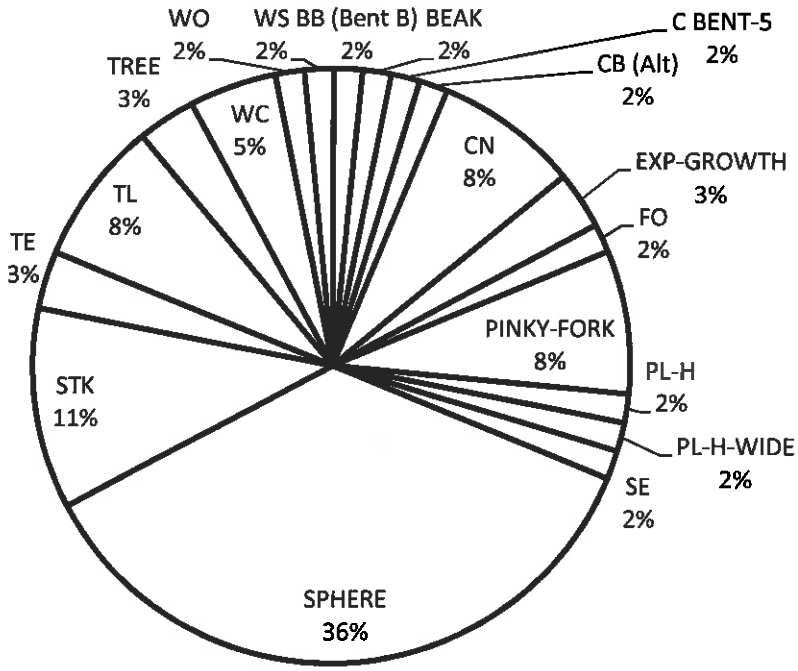
nest - C BENT 5	1
nest - CN	3
nest - PL-H	1
nest - SPHERE	7
nest - WO	1



small pants - SE	1
small pants - STK	2



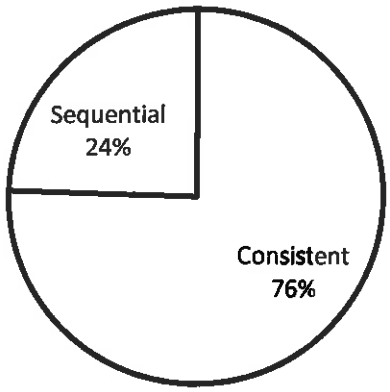
BB (Bent B)	1
BEAK	1
C BENT-5	1
CB (Alt)	1
CN	5
EXP-GROWTH	2
FO	1
PINKY-FORK	5
PL-H	1
PL-H-WIDE	1
SE	1
SPHERE	23
STK	7
TE	2
TL	5
TREE	2
WC	3
WO	1
WS	1



Start Time	CL-ID	Group	CL	Ref	CC Property	Class Event	Class Entity	Loc Consistent Overall	Loc Sequential Overall	Avisible
~~24.849~~	~~10~~	~~B~~	~~BENT-B~~	~~egg~~						
4.190	3	B	SPHERE	clouds	1				1	
12.301	5	B	SPHERE	nest	1				1	
13.970	27	B	C-BENT-5	nest	1			1		
3.800	42	B	SPHERE	nest	1			1		
13.241	6	B	STK	needles		1		1		
18.786	7	A	SPHERE	egg		1			1	
19.871	8	C	TL	legs		1			1	
24.05	9	C	TL	legs		1			1	
6.03	12	C	TE	sewing needle		1		1		
10.590	13	A	WC	clock		1		1		
13.435	14	C	TL	legs		1		1		
22.510	17	B	CB (Alt)	blanket		1		1		
24.249	18	B	WS	blanket		1		1		
28.865	20	C	SPHERE	egg		1		1		
24.430	29	B	SPHERE	egg		1		1		
33.660	30	A	WC	clock		1		1		
5.060	32	B	SPHERE	bum		1		1		
7.060	33	B	SPHERE	bum		1			1	
10.27	34	C	STK	crochet needle		1			1	
13.785	35	A	SPHERE	tummy		1		1		
23.120	37	A	SPHERE	egg		1		1		
8.110	44	B	TE	sewing needle		1		1		
8.796	45	B	STK	legs		1		1		
9.806	46	B	SPHERE	tummy		1		1		
11.41	47	C	TL	legs		1		1		
18.587	48	A	WC	clock		1		1		
19.421	49	B	STK (Alt)	legs		1		1		
20.142	50	C	TL	legs		1		1		
0.666	1	A	TREE	trees			1	1		
2.120	2	B	EXP-GROWTH	grass			1		1	
7.62	4	C	SPHERE	nest			1	1		
3.401	11	B	WO	nest			1		1	
16.770	15	A	SPHERE	egg			1		1	
0.810	21	B	PL-H-WIDE	surroundings			1	1		
2.460	22	B	EXP-GROWTH	grass			1	1		
4.090	23	B	FO	earth			1	1		
5.530	24	B	TREE (Alt)	trees			1	1		
11.657	25	A	PINKY-FORK	branch			1	1		
12.55	26	C	SPHERE	nest			1		1	
2	31	C	SPHERE	nest			1	1		
15.229	36	A	SPHERE	egg			1	1		
26.940	39	A	SPHERE	clock			1	1		
28.562	40	A	SPHERE	egg			1	1		
2.19	41	C	SPHERE	nest			1	1		
4.1	43	C	BEAK	bird			1	1		
~~22.025~~	~~16~~	C	~~SPHERE~~	~~egg~~						~~1~~
~~26.101~~	~~19~~	A	~~PL-H~~	~~nest~~						
~~18.92~~	~~28~~	~~C~~	~~STK~~	~~crochet needle~~						~~1~~
~~23.770~~	~~38~~	B	~~SPHERE~~	~~bum~~						~~1~~
					4	24	17	34	11	3

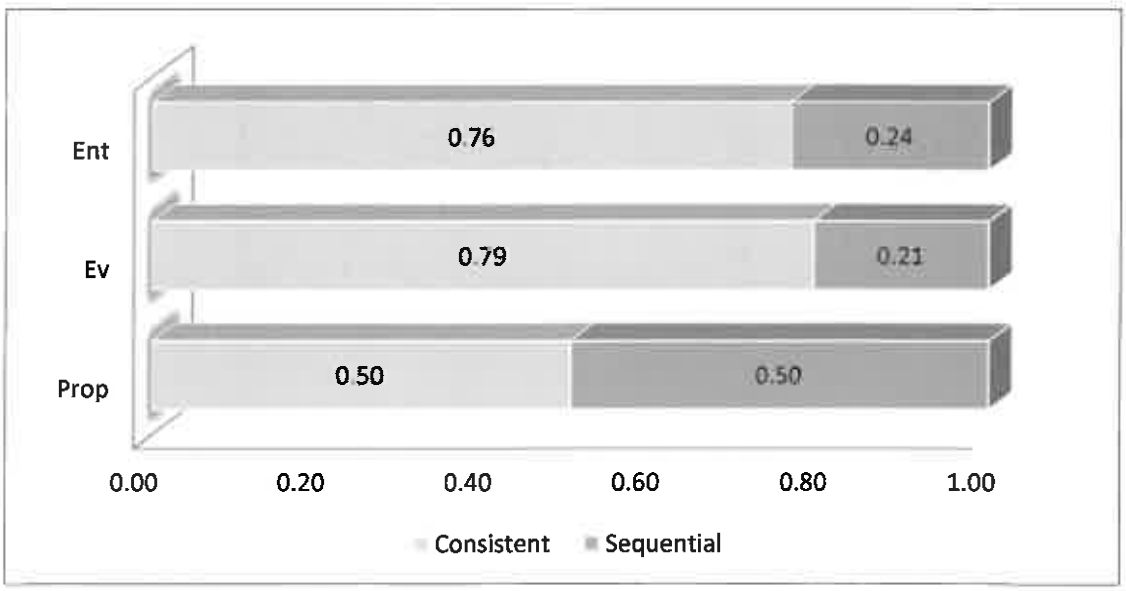
Consistent and Sequential - Overall

Consistent	34
Sequential	11



Consistent x Sequential Eyegaze Focus across the three concept classes

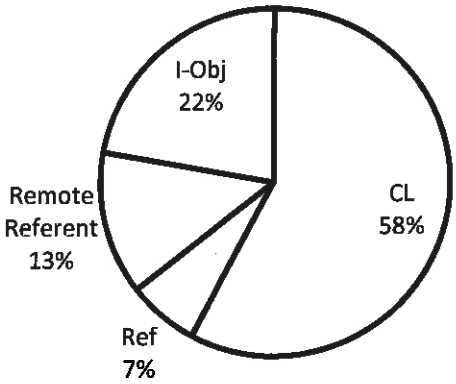
	Prop	*Ev*	*Ent*
Consistent	*0.50*	*0.79*	0.76
Sequential	*0.50*	*0.21*	0.24



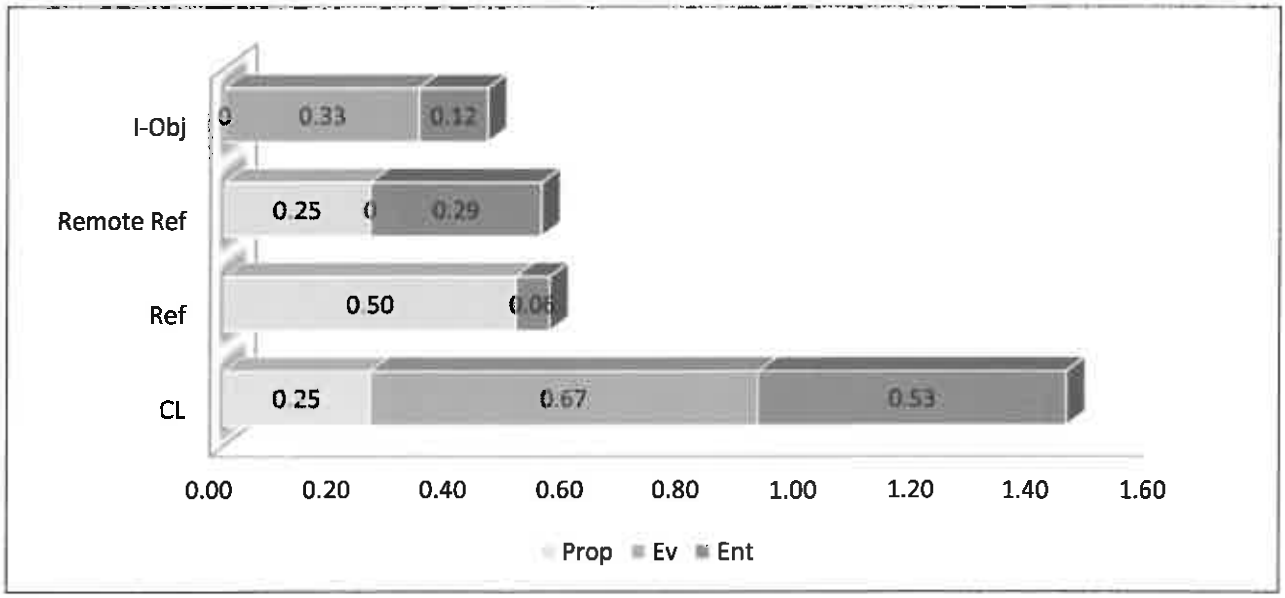
Start Time	CL-ID	Group	CL	Ref	CC Property	CC Event	CC Entity	Foc Consistent	Foc Sequential	Foc CL Whole	Foc CL	Total Focus CL	Foc Ref	Foc Remote Ref	Foc I-Obj	Foc Cam	Foc Invisible	TOTAL INSTANCES
24.430	3	B	SPHERE	clouds	1				1			0		1		1		2
33.660	5	B	SPHERE	nest	1				1		1	1				1		2
18.587	27	B	C-BENT-5	nest	1			1				0	1					1
7.62	42	B	SPHERE	nest	1			1				0	1					1
5.060	6	B	STK	needles		1		1			1	1						1
12.301	7	A	SPHERE	egg		1			1		1	1				1		2
5.530	8	C	TL	legs		1			1	1		1				1		2
11.657	9	C	TL	legs		1			1		1	1				1		2
12.55	12	C	TE	sewing needle		1		1		1		1						1
13.970	13	A	WC	clock		1		1			1	1						1
2	14	C	TL	legs		1		1			1	1						1
13.785	17	B	CB (Alt)	blanket		1		1				0			1			1
23.120	18	B	WS	blanket		1		1			1	1						1
26.940	20	C	SPHERE	egg		1		1		1		1						1
19.421	29	B	SPHERE	egg		1		1			1	1						1
19.871	30	A	WC	clock		1		1			1	1						1
20.142	32	B	SPHERE	bum		1		1				0			1			1
0.666	33	B	SPHERE	bum		1			1			0			1	1		2
~~24.849~~	34	C	STK	crochet needle		1			1	1		1				1		2
24.05	35	A	SPHERE	tummy		1		1				0			1			1
10.590	37	A	SPHERE	egg		1		1			1	1						1
3.401	44	B	TE	sewing needle		1		1				0			1			1
16.770	45	B	STK	legs		1		1				0			1			1
0.810	46	B	SPHERE	tummy		1		1				0			1			1
~~18.82~~	47	C	TL	legs		1		1			1	1						1
24.249	48	A	WC	clock		1		1			1	1						1
2.460	49	B	STK (Alt)	legs		1		1				0			1			1
~~23.770~~	50	C	TL	legs		1		1		1		1						1
4.190	1	A	TREE	trees			1	1				0		1				1
28.865	2	B	EXP-GROWTH	grass			1		1			0		1		1		2
4.090	4	C	SPHERE	nest			1	1			1	1						1
10.27	11	B	WO	nest			1		1		1	1				1		2
3.800	15	A	SPHERE	egg			1		1		1	1				1		2
8.110	21	B	PL-H-WIDE	surroundings			1	1				0		1				1
8.796	22	B	EXP-GROWTH	grass			1	1				0		1				1
9.806	23	B	FO	earth			1	1				0	1					1
11.41	24	B	TREE (Alt)	trees			1	1				0		1				1
18.786	25	A	PINKY-FORK	branch			1	1			1	1						1
28.562	26	C	SPHERE	nest			1		1		1	1						1
4.1	31	C	SPHERE	nest			1	1			1	1						1
6.03	36	A	SPHERE	egg			1	1			1	1						1
13.435	39	A	SPHERE	clock			1	1				0			1			1
22.510	40	A	SPHERE	egg			1	1				0			1			1
~~22.025~~	41	C	SPHERE	nest			1	1			1	1						1
~~26.101~~	43	C	BEAK	bird			1	1			1	1						1
7.060	~~10~~	~~B~~	~~BENT-B~~	~~egg~~														
15.229	~~16~~	~~C~~	~~SPHERE~~	~~egg~~														
13.241	~~19~~	~~A~~	~~PL-H~~	~~nest~~														
2.19	~~28~~	~~C~~	~~STK~~	~~crochet needle~~														
2.120	~~38~~	~~B~~	~~SPHERE~~	~~bum~~														
					4	**24**	**17**	**34**	**11**	**5**	**21**	**26**	**3**	**6**	**10**	**10**	**0**	**55**

16,28; 38 - Invisible
19 - Lexical item
10 - Anomaly

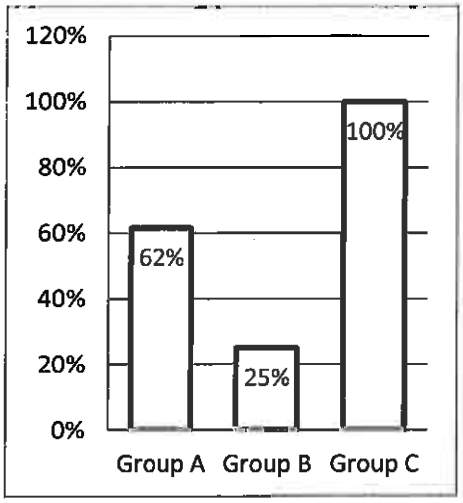
Focal Points	
CL	26
Ref	3
Remote Referent	6
I-Obj	10
	45
9	**13**
11	**22**
6	**13**



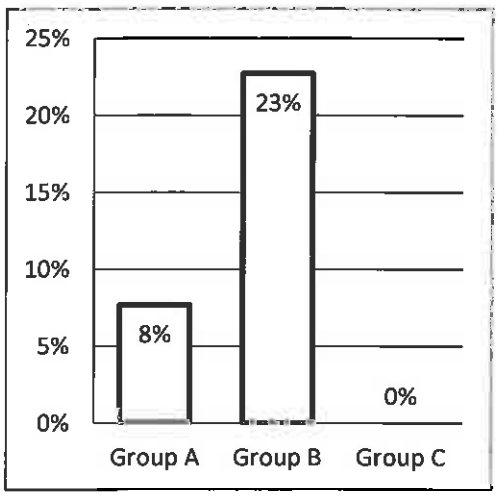
	Prop	*Ev*	*Ent*
CL	0.25	0.67	0.53
Ref	0.50	0	0.06
Remote Ref	0.25	0	0.29
I-Obj	0	0.33	0.12



CL Focal	
Group A	**62%**
Group B	**25%**
Group C	**100%**



	Remote Ref
Group A	8%
Group B	23%
Group C	0%



Group A	46%
Group B	**32%**
Group C	0%

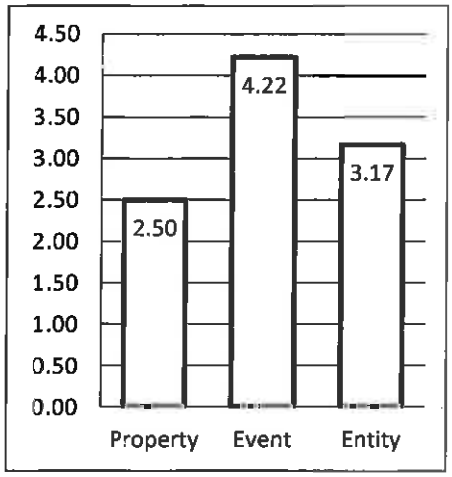
All Groups (8): Mouth and Face Actions - Overall and Concept Classes

Start Time	CL-ID	Group	CL HS	Referent	CC Property	CC Event	CC Entity	MFA LP	MFA LP Slightly	MFA LP Forward	MFA LP Inward	MFA LP Open	MFA LP Sour	MFA LP Smile	Total LP	MFA LPBT	MFA TPrtr	MFA - TBTL	MFA Smile	Total All MFA(1)	Grand total MFA
4.190	3	B	SPHERE	clouds	1					1					1					1	2
12.301	5	B	SPHERE	nest	1					1					1					1	3
13.970	27	B	C-BENT-5	nest	1									1	1					1	2
3.800	42	B	SPHERE	nest	1							1			1					1	3
13.241	6	B	STK	needles		1				1					1					1	2
18.786	7	A	SPHERE	egg		1		1							1					1	5
19.871	8	C	TL	legs		1			1						1					1	3
24.05	9	C	TL	legs		1								1	1					1	2
6.03	12	C	TE	sewing needle		1					1				1					1	2
10.590	13	A	WC	clock		1		1							1					1	3
13.435	14	C	TL	legs		1			1				1		2		1			3	6
22.025	16	C	SPHERE	egg		1		1							1					1	9
22.510	17	B	CB (Alt)	blanket		1						1			1		3	1		5	8
24.249	18	B	WS	blanket		1			1						1					1	3
28.865	20	C	SPHERE	egg		1		1							1					1	10
18.92	28	C	STK	crochet needle		1			1	1				1	3		1			4	5
24.430	29	B	SPHERE	egg		1									0					0	3
33.660	30	A	WC	clock		1			1						1					1	3
5.060	32	B	SPHERE	bum		1			1			1			2					2	4
7.060	33	B	SPHERE	bum		1						1		1	2					2	4
10.27	34	C	STK	crochet needle		1								1	1					1	3
13.785	35	A	SPHERE	tummy		1								1	1	1				2	8
23.120	37	A	SPHERE	egg		1									0	2				2	6
23.770	38	B	SPHERE	bum		1								1	1					1	2
8.110	44	B	TE (Alt)	sewing needles		1						2			2					2	3
8.796	45	B	STK	legs		1				1					1					1	3
9.806	46	B	SPHERE	tummy		1				1					1					1	3
11.41	47	C	TL	legs		1						1			1					1	2
18.587	48	A	WC	clock		1			1			1			2					2	7
19.421	49	B	STK (Alt)	legs		1						1			1					1	3
20.142	50	C	TL	legs		1						1			1					1	2
0.666	1	A	TREE	trees			1								0					0	2
2.120	2	B	EXP-GROWTH	grass			1								0					0	3
7.62	4	C	SPHERE	nest			1			1					1					1	2
3.401	11	B	WO	nest			1	1							1					1	3
16.770	15	A	SPHERE	egg			1	1				1			2		2			4	10
26.101	19	A	PL-H	nest			1								0					0	0
0.810	21	B	PL-H-WIDE	surroundings			1							2	2					2	4
2.460	22	B	EXP-GROWTH	grass			1		1						1					1	3
4.090	23	B	FO	earth			1								0					0	2
5.530	24	B	TREE (Alt)	trees			1								0					0	3
11.657	25	A	PINKY-FORK	branch			1							1	1					1	2
12.55	26	C	SPHERE	nest			1							1	1					1	2
2	31	C	SPHERE	nest			1			1				1	2					2	3
15.229	36	A	SPHERE	egg			1							1	1	1				2	6
26.940	39	A	SPHERE	clock			1							1	1					1	3
28.562	40	A	SPHERE	egg			1								0				2	2	4
2.19	41	C	SPHERE	nest			1							1	1					1	2
4.1	43	C	BEAK	bird			1	1	1						2					2	3
~~24.849~~	~~10~~	~~B~~	~~BENT-B~~	~~egg~~																	~~1~~
					4	27	18	7	9	8	1	11	1	15	52	4	7	1	2	66	182

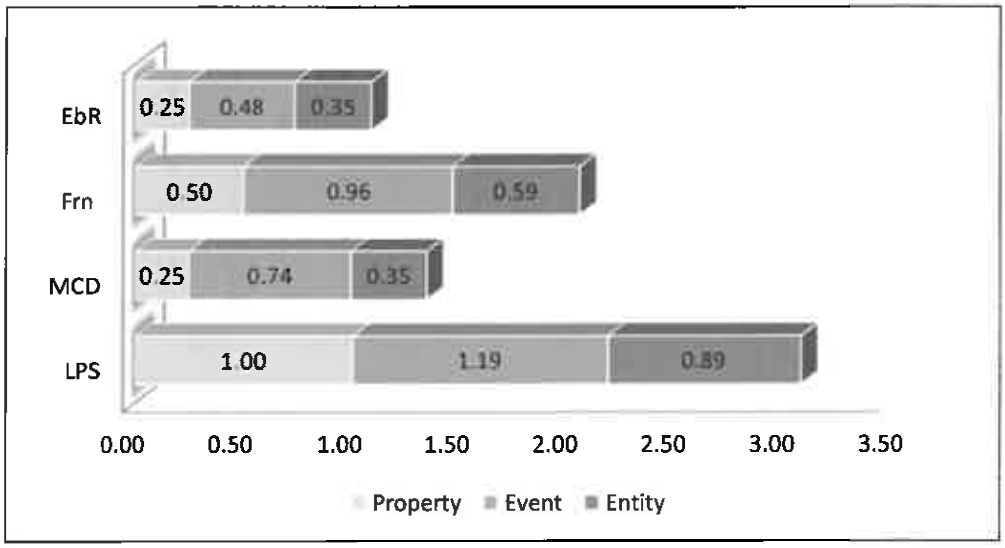
All Groups (8): Mouth and Face Actions - Overall and Concept Classes

Start Time	CL-ID	Group	CL HS	Referent	CC Property	CC Event	CC Entity	MFA MCD	MFA BIG	MFA EA	MFA SA	MFA CPf	MFA CH	MFA WrNse	MFA Frn	MFA Sq	MFA EbR	Total All MFA (2)
4.190	3	B	SPHERE	clouds	1										1			1
12.301	5	B	SPHERE	nest	1							1			1			2
13.970	27	B	C-BENT-5	nest	1												1	1
3.800	42	B	SPHERE	nest	1			1			1							2
13.241	6	B	STK	needles		1									1			1
18.786	7	A	SPHERE	egg		1				1		1			2			4
19.871	8	C	TL	legs		1									1		1	2
24.05	9	C	TL	legs		1											1	1
6.03	12	C	TE	sewing needle		1									1			1
10.590	13	A	WC	clock		1		1									1	2
13.435	14	C	TL	legs		1									2		1	3
22.025	16	C	SPHERE	egg		1		3		1		3	1					8
22.510	17	B	CB (Alt)	blanket		1									3			3
24.249	18	B	WS	blanket		1		1							1			2
28.865	20	C	SPHERE	egg		1				1	2	1			5			9
18.92	28	C	STK	crochet needle		1									1			1
24.430	29	B	SPHERE	egg		1						1			2			3
33.660	30	A	WC	clock		1									1		1	2
5.060	32	B	SPHERE	bum		1		2										2
7.060	33	B	SPHERE	bum		1		2										2
10.27	34	C	STK	crochet needle		1		1							1			2
13.785	35	A	SPHERE	tummy		1		2							2		2	6
23.120	37	A	SPHERE	egg		1					1			1	2			4
23.770	38	B	SPHERE	bum		1		1										1
8.110	44	B	STK (Alt)	knitting needles		1											1	1
8.796	45	B	STK	legs		1		1									1	2
9.806	46	B	SPHERE	tummy		1		1									1	2
11.41	47	C	TL	legs		1		1										1
18.587	48	A	WC	clock		1		2							1		2	5
19.421	49	B	STK (Alt)	legs		1		1									1	2
20.142	50	C	TL	legs		1		1										1
0.666	1	A	TREE	trees			1		1							1		2
2.120	2	B	EXP-GROWTH	grass			1		1						1	1		3
7.62	4	C	SPHERE	nest			1								1			1
3.401	11	B	WO	nest			1	1									1	2
16.770	15	A	SPHERE	egg			1	1	1						3		1	6
26.101	19	A	PL-H	nest														0
0.810	21	B	PL-H-WIDE	surroundings			1									1	1	2
2.460	22	B	EXP-GROWTH	grass			1		1							1		2
4.090	23	B	FO	earth			1	1	1									2
5.530	24	B	TREE (Alt)	trees			1		1			1				1		3
11.657	25	A	PINKY-FORK	branch			1										1	1
12.55	26	C	SPHERE	nest			1										1	1
2	31	C	SPHERE	nest			1								1			1
15.229	36	A	SPHERE	egg			1				1				3			4
26.940	39	A	SPHERE	clock			1	1							1			2
28.562	40	A	SPHERE	egg			1				1						1	2
2.19	41	C	SPHERE	nest			1	1										1
4.1	43	C	BEAK	bird			1	1										1
~~24.849~~	~~10~~	~~B~~	~~BENT-B~~	~~egg~~														~~0~~
					4	27	17	27	6	3	6	8	1	1	38	5	20	115

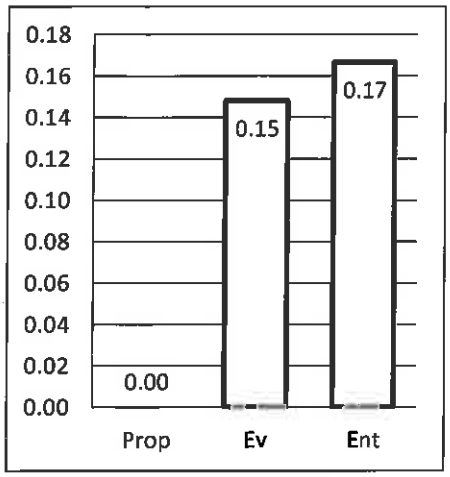
	Property	*Event*	*Entity*
MFA	2.50	4.22	3.17



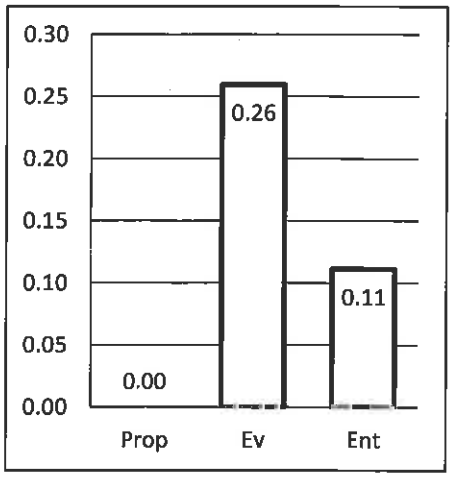
	Property	***Event***	***Entity***
LPS	1.00	1.19	0.89
MCD	0.25	0.74	0.35
Frn	0.50	0.96	0.59
EbR	0.25	0.48	0.35



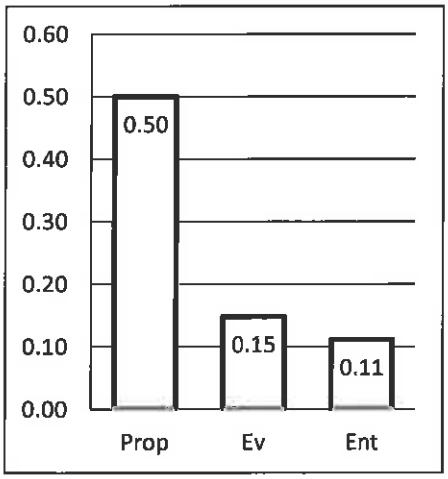
	Prop	*Ev*	*Ent*
LP	0.00	0.15	0.17



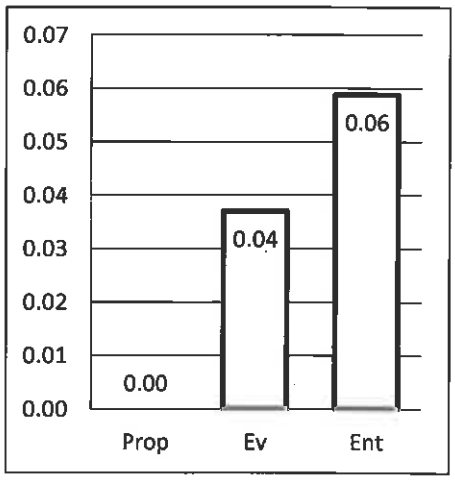
	Prop	*Ev*	*Ent*
LPS	0.00	0.26	0.11



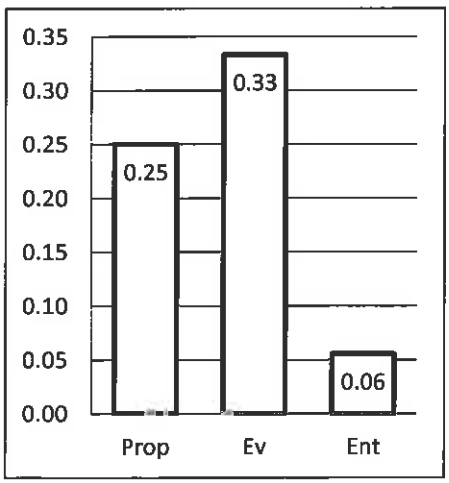
	Prop	*Ev*	*Ent*
LPFw	0.50	0.15	0.11



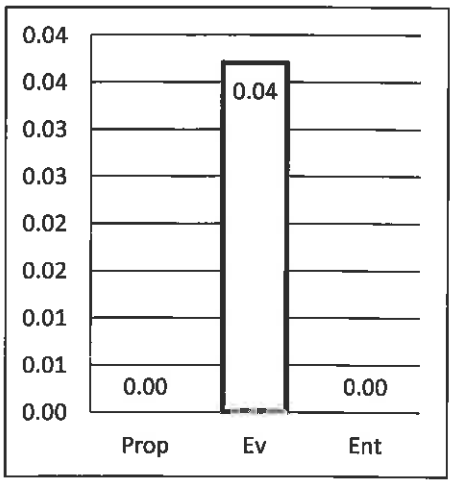
	Prop	*Ev*	*Ent*
LPInw	0.00	0.04	0.06



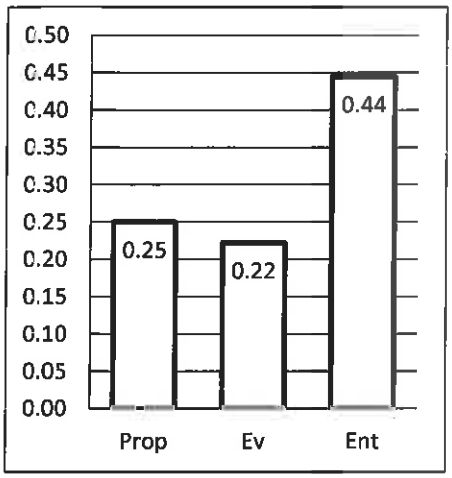
	Prop	*Ev*	*Ent*
LPO	0.25	0.33	0.06



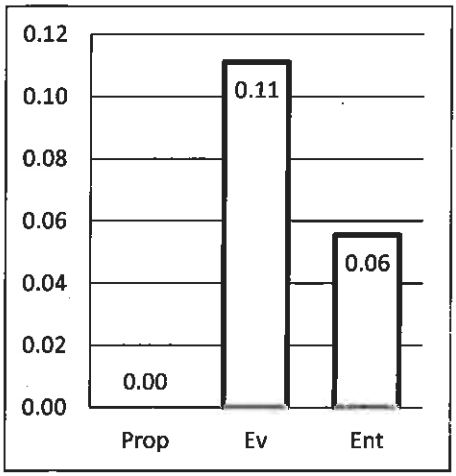
	Prop	*Ev*	*Ent*
LPSour	0.00	0.04	0.00



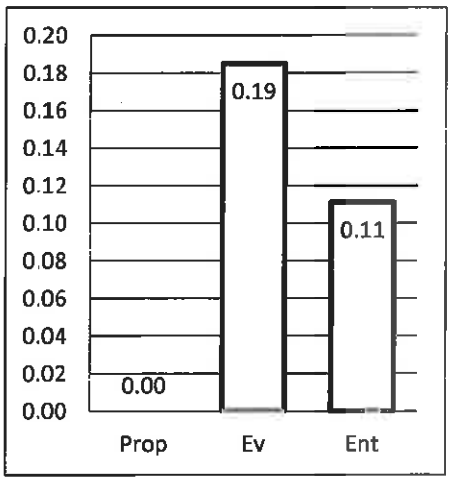
	Prop	*Ev*	*Ent*
LPSm	0.25	0.22	0.44



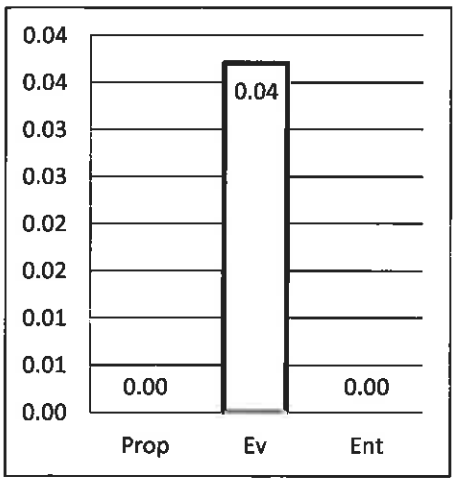
	Prop	*Ev*	*Ent*
LPBT	0.00	0.11	0.06



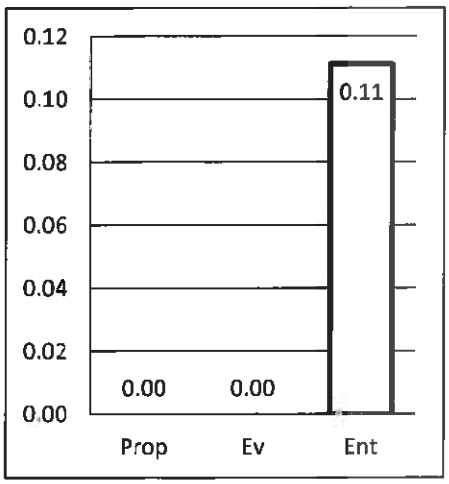
	Prop	*Ev*	*Ent*
TPrtr	0.00	0.19	0.11



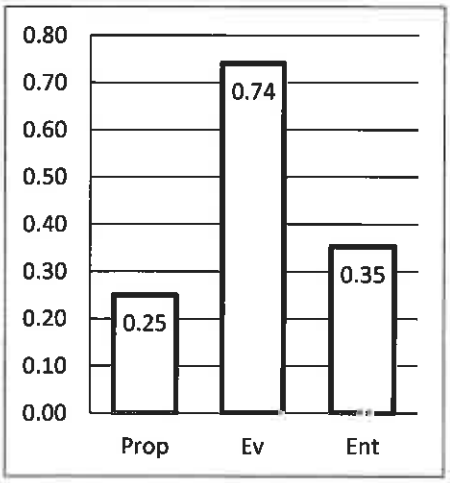
	Prop	*Ev*	*Ent*
TBTL	0.00	0.04	0.00



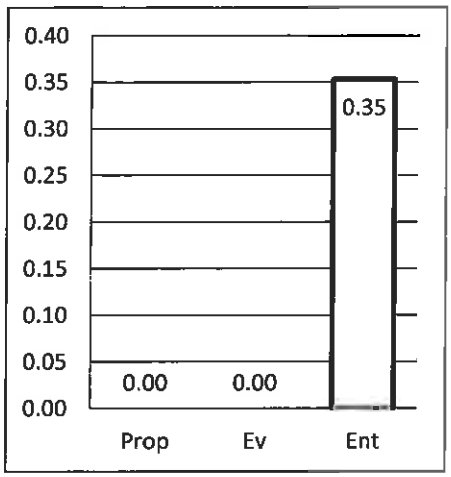
	Prop	*Ev*	*Ent*
Smile	0.00	0.00	0.11



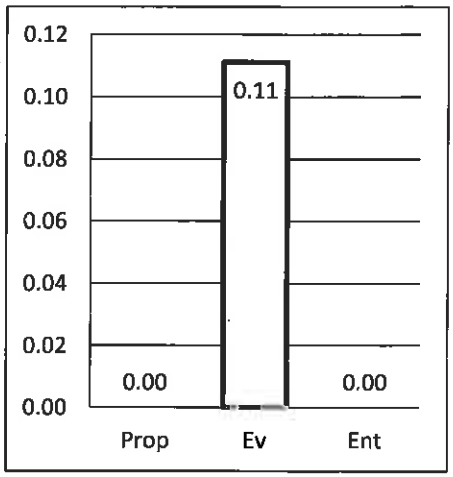
	Prop	*Ev*	*Ent*
MCD	0.25	0.74	0.35



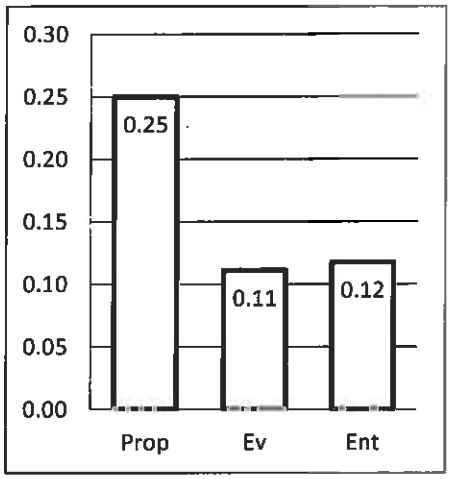
	Prop	*Ev*	*Ent*
BIG	0.00	0.00	0.35



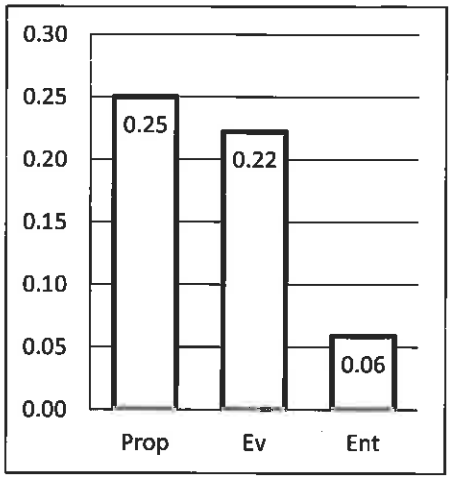
	Prop	*Ev*	*Ent*
EA	0.00	0.11	0.00



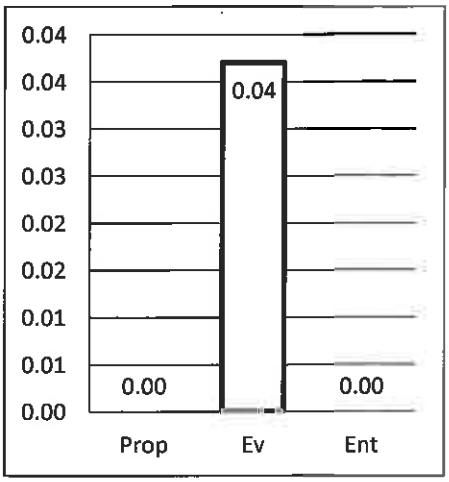
	Prop	*Ev*	*Ent*
SA	0.25	0.11	0.12



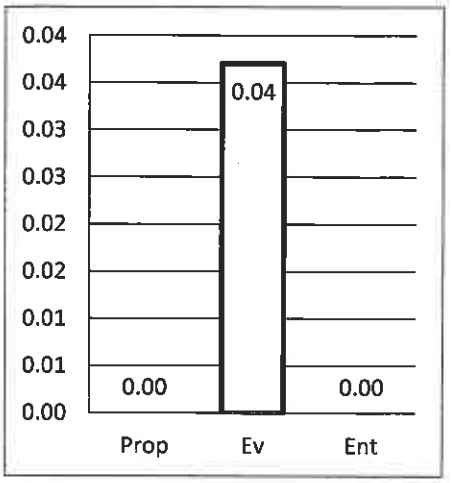
	Prop	*Ev*	*Ent*
CPf	0.25	0.22	0.06



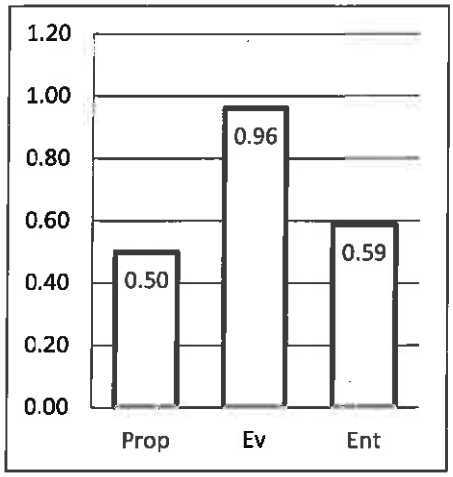
	Prop	*Ev*	*Ent*
CH	0.00	0.04	0.00



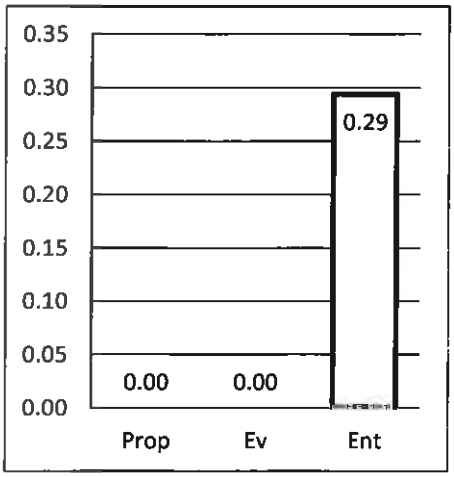
	Prop	*Ev*	*Ent*
WrNse	0.00	0.04	0.00



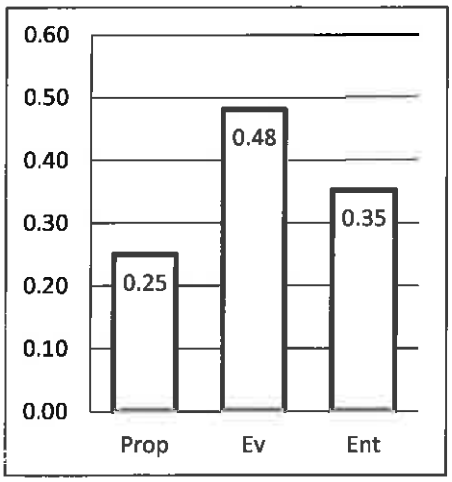
	Prop	*Ev*	*Ent*
Frn	0.50	0.96	0.59



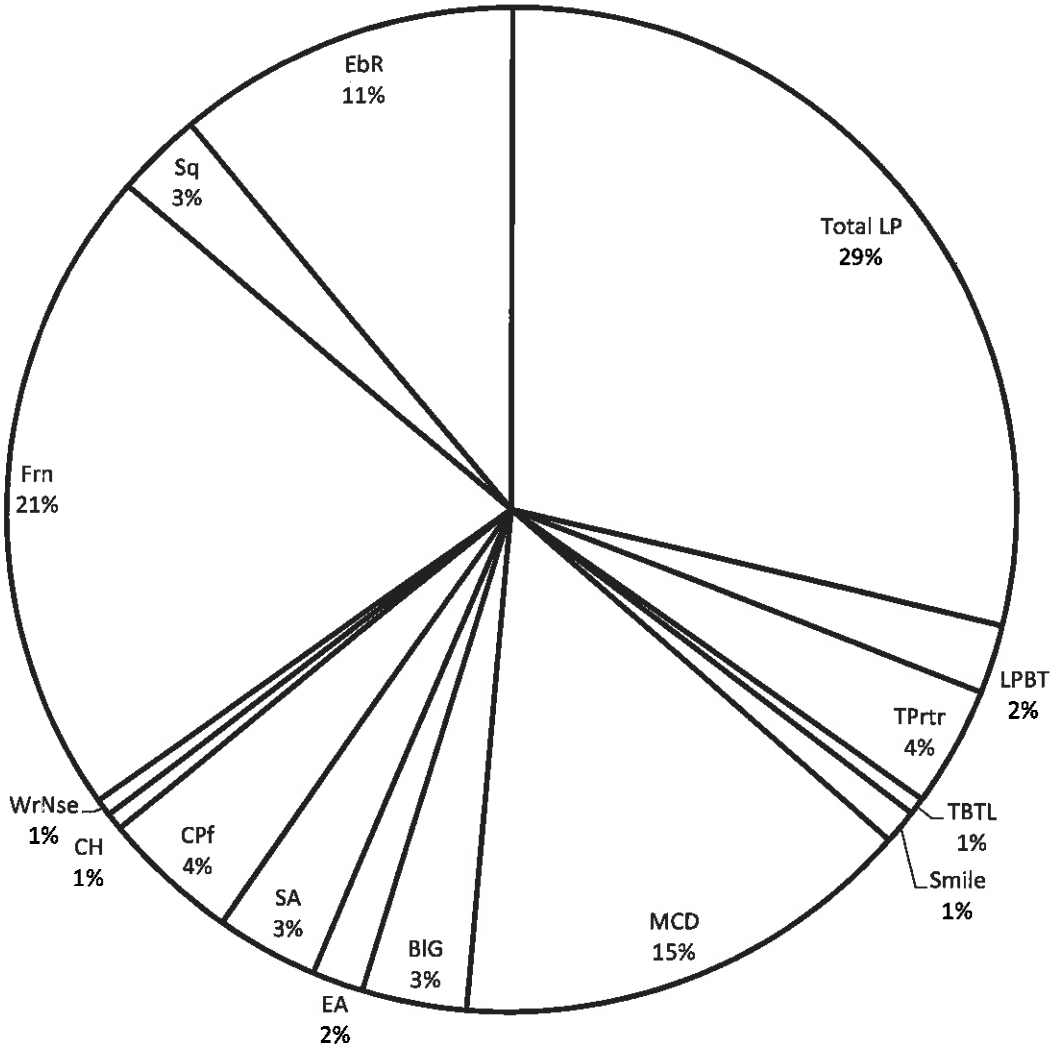
	Prop	*Ev*	*Ent*
Sq	0.00	0.00	0.29



	Prop	*Ev*	*Ent*
EbR	0.25	0.48	0.35



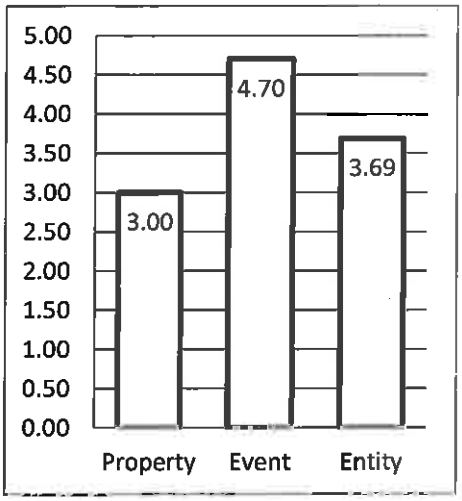
Total LP	LPBT	TPrtr	TBTL	Smile	MCD	BIG	EA	SA	CPf	CH	WrNse	Frn	Sq	EbR
52	4	7	1	2	27	6	3	6	8	1	1	38	5	20



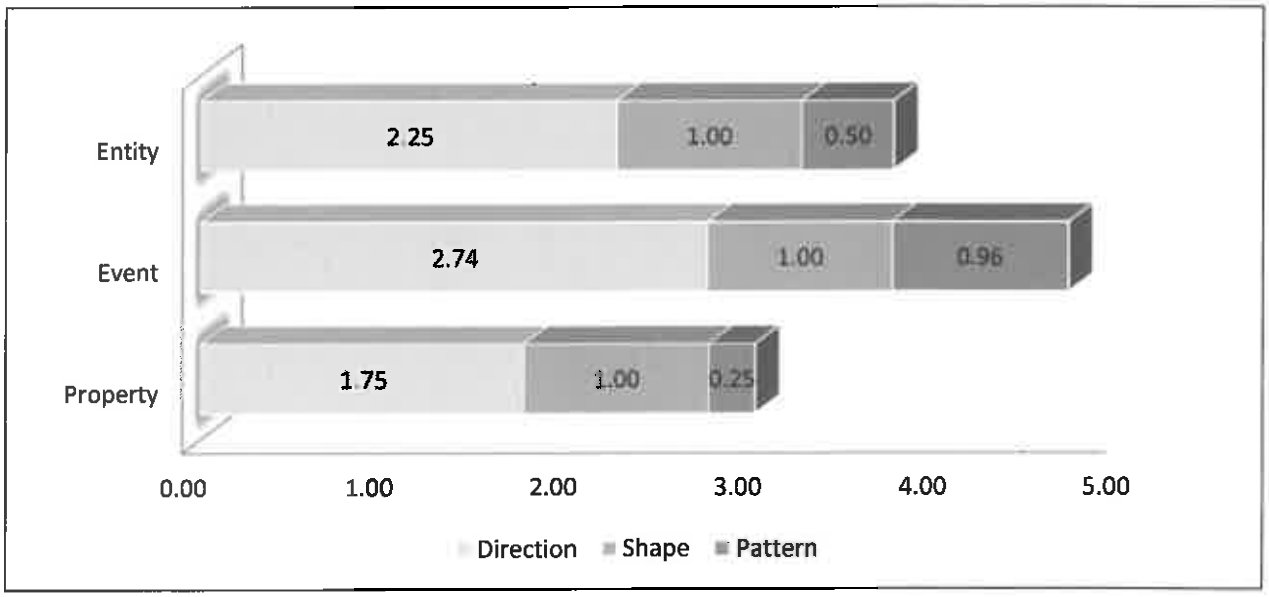
Start Time	CL-ID	Group	CL	Ref	CC Property	CC Event	CC Entity	Mvt Path Direction Left	Mvt Path Direction Right	Mvt Path Direction Up	Mvt Path Direction Down	Mvt Path Direction Forward	Mvt Path Direction Backward	Mvt Path Direction Convergent	Mvt Path Direction Divergent	Mvt Path Shape Arc	Mvt Path Shape Circle	Mvt Path Shape Line	Mvt Pattern ALTERNATING	Mvt Pattern BENDING	Mvt Pattern BOUNCING	Mvt Pattern CLOSE	Mvt Pattern CO	Mvt Pattern OPEN	Mvt Pattern RUBBING	Mvt Pattern WIGGLING
4.190	3	B	SPHERE	clouds	1					1					1		1									
12.301	5	B	SPHERE	nest	1					1					1	1										
13.970	27	B	C-BENT-5	nest	1										1	1										
3.800	42	B	SPHERE	nest	1									1	1		1						1			
13.241	6	B	STK	needles		1						1	1	1	1			1		1						
18.786	7	A	SPHERE	egg		1					1					1								1		
19.871	8	C	TL	legs		1				1	1		1			1					1					
24.05	9	C	TL	legs		1				1	1	1				1					1					
6.03	12	C	TE	sewing needle		1		1		1							1						1			
10.590	13	A	WC	clock		1			1	1						1							1			
13.435	14	C	TL	legs		1				1	1					1				1						
22.025	16	C	SPHERE	egg		1						1				1										
22.510	17	B	CB (Alt)	blanket		1				2	2					1			1				1			
24.249	18	B	WS	blanket		1								1	1			1								
28.865	20	C	SPHERE	egg		1				2	2							1			1	1		1		
18.92	28	C	STK	crochet needle		1		1	1			1	1					1					1		1	
24.480	29	B	SPHERE	egg		1				1					1			1						1		
33.660	30	A	WC	clock		1				1						1							1			
5.820	32	B	SPHERE	bum		1				1	1							1					1			
7.060	33	B	SPHERE	bum		1		2	2	1	1	1						1								
10.27	34	C	STK	crochet needle		1		1	1							1							1		1	
13.785	35	A	SPHERE	tummy		1			1	1								1								
23.120	37	A	SPHERE	egg		1				1	1							1								
24.480	38	B	SPHERE	bum		1				1	1			1	1	1										1
8.110	44	B	TE (Alt)	sewing needle		1		1	1	2	2			1	1	1			1				1			
8.796	45	B	STK	legs		1		1		1								1								
9.806	46	B	SPHERE	tummy		1		1		1								1								
11.41	47	C	TL	legs		1				1	1					1				1						
18.587	48	A	WC	clock		1				1						1							1			
19.421	49	B	STK (Alt)	legs		1				1	1		1			1			1							
20.142	50	C	TL	legs		1				1	1							1		1						
0.666	1	A	TREE	trees			1		1			1						1								1
2.120	2	B	EXP-GROWTH	grass			1					1						1								1
7.62	4	C	SPHERE	nest			1			1	1							1								
3.401	11	B	WO	nest			1			1				1				1								
16.770	15	A	SPHERE	egg			1			1								1								
26.101	19	A	PL-H	nest																						
0.810	21	B	PL-H-WIDE	surroundings			1			1	1			1	1		1									
2.460	22	B	EXP-GROWTH	grass			1			1		1						1								1
4.090	23	B	FO	earth			1				1				1			1							1	
5.530	24	B	TREE (Alt)	trees			1	1	1	2		2						1	1							1
11.657	25	A	PINKY-FORK	branch																						
12.55	26	C	SPHERE	nest			1			1	1							1								
2	31	C	SPHERE	nest			1			1	1							1					1			
15.229	36	A	SPHERE	egg			1				1	1						1								
26.940	39	A	SPHERE	clock			1			1								1								
28.562	40	A	SPHERE	egg			1			1		1						1								
2.19	41	C	SPHERE	nest			1		1	1	1					1										
4.1	43	C	BEAK	bird			1			1	1							1								
~~24.849~~	~~10~~	~~B~~	~~BENT-B~~	~~egg~~																						
					4	27	16	9	10	39	25	12	4	7	11	17	4	26	4	4	3	1	11	3	3	5

	Property	*Event*	*Entity*
Movement Overall	3.00	4.70	3.69

34

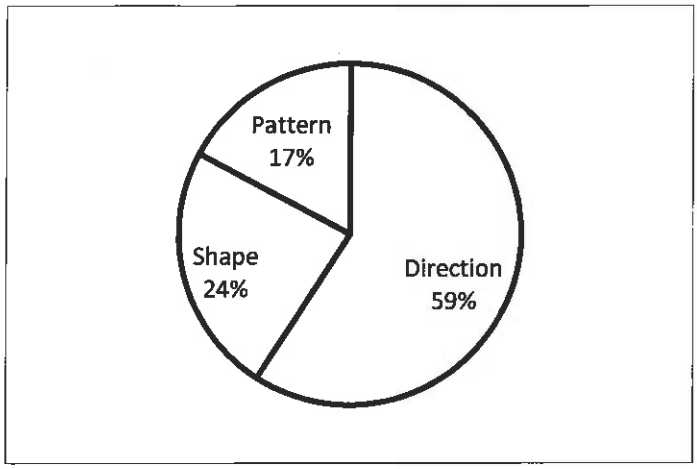


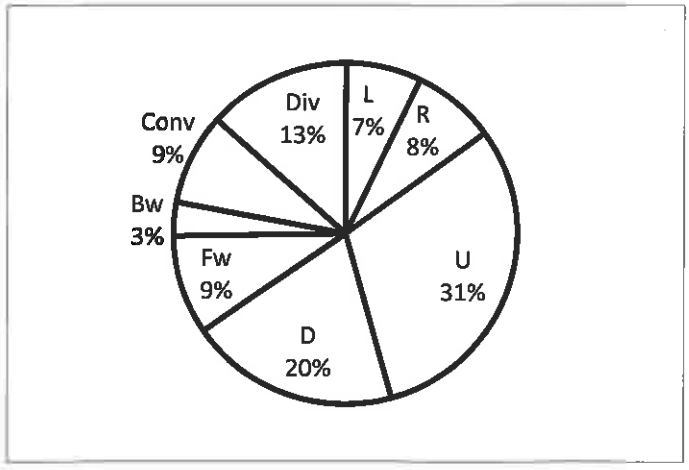
	Property	*Event*	*Entity*
Direction	1.75	2.74	2.25
Shape	1.00	1.00	1.00
Pattern	0.25	0.96	0.50



Direction	117
Shape	47
Pattern	34
	198

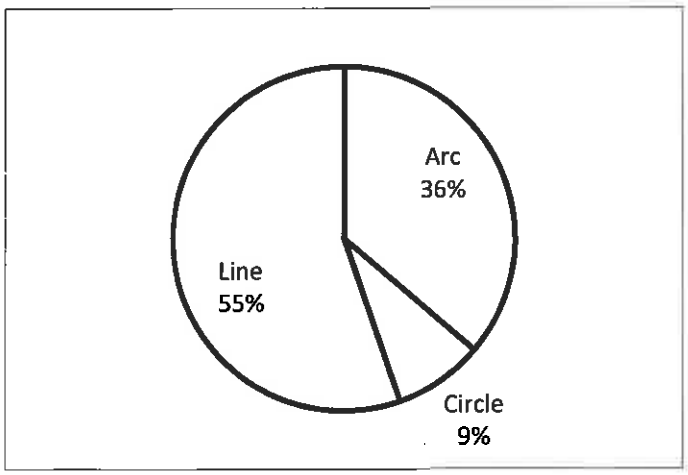
Direction	
L	9
R	10
U	39
D	25
Fw	12
Bw	4
Conv	11
Div	17

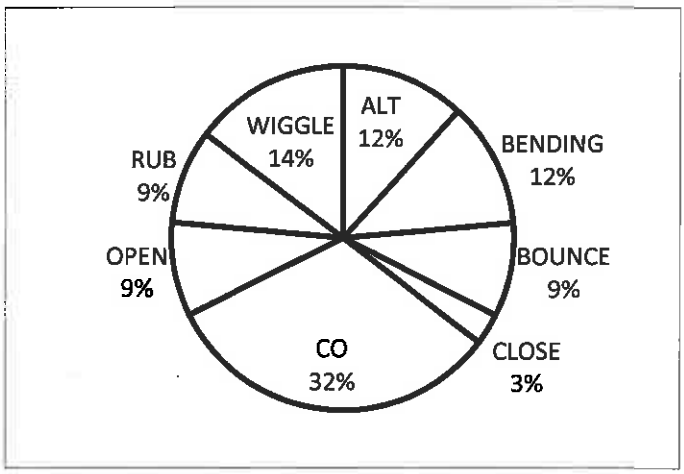




Shape	
Arc	17
Circle	4
Line	26

Pattern	
ALT	4
BENDING	4
BOUNCE	3
CLOSE	1
CO	11
OPEN	3
RUB	3
WIGGLE	5





All Groups (9): Movement Overall

Start Time	CL-ID	Group	CL	Ref	CC Property	CC Event	CC Entity	Evt Path Direction Left	Evt Path Direction Right	Evt Path Direction Up	Evt Path Direction Down	Evt Path Direction Forward	Evt Path Direction Backward	Evt Path Direction Convergent	Evt Path Direction Divergent		
4.190	3	B	SPHERE	clouds	1					1					1		2
12.301	5	B	SPHERE	nest	1					1					1		2
13.970	27	B	C-BENT-5	nest	1										1		1
3.800	42	B	SPHERE	nest	1									1	1		2
13.241	6	B	STK	needles		1						1	1	1	1		4
18.786	7	A	SPHERE	egg		1					1						1
19.871	8	C	TL	legs		1				1	1		1				3
24.05	9	C	TL	legs		1				1	1	1					3
6.03	12	C	TE	sewing needle		1		1		1							2
10.590	13	A	WC	clock		1			1	1							2
13.435	14	C	TL	legs		1				1	1						2
22.025	16	C	SPHERE	egg		1						1					1
22.510	17	B	CB (Alt)	blanket		1				2	2						4
24.249	18	B	WS	blanket		1								1	1		2
28.865	20	C	SPHERE	egg		1				2	2						4
18.92	28	C	STK	crochet needle		1		1	1			1	1				4
24.480	29	B	SPHERE	egg		1				1					1		2
33.660	30	A	WC	clock		1				1							1
5.820	32	B	SPHERE	bum		1				1	1						2
7.060	33	B	SPHERE	bum		1		2	2	1	1	1					7
10.27	34	C	STK	crochet needle		1		1	1								2
13.785	35	A	SPHERE	tummy		1			1	1							2
23.120	37	A	SPHERE	egg		1				1	1						2
24.480	38	B	SPHERE	bum		1				1	1						2
8.110	44	B	TE (Alt)	sewing needle		1		1	1	2	2			1	1		8
8.796	45	B	STK	legs		1		1		1							2
9.806	46	B	SPHERE	tummy		1		1		1							2
11.41	47	C	TL	legs		1				1	1						2
18.587	48	A	WC	clock		1				1							1
19.421	49	B	STK (Alt)	legs		1				1			1				2
20.142	50	C	TL	legs		1				1	1						2
0.666	1	A	TREE	trees			1		1			1					2
2.120	2	B	EXP-GROWTH	grass			1					1					1
7.62	4	C	SPHERE	nest			1			1	1						2
3.401	11	B	WO	nest			1			1				1			2
16.770	15	A	SPHERE	egg			1			1							1
26.101	19	A	PL-H	nest													0
0.810	21	B	PL-H-WIDE	surroundings			1			1	1			1	1		4
2.460	22	B	EXP-GROWTH	grass			1			1		1					2
4.090	23	B	FO	earth			1				1				1		2
5.530	24	B	TREE (Alt)	trees			1	1	1	2		2					6
11.657	25	A	PINKY-FORK	branch													0
12.55	26	C	SPHERE	nest			1			1	1						2
2	31	C	SPHERE	nest			1			1	1						2
15.229	36	A	SPHERE	egg			1				1	1					2
26.940	39	A	SPHERE	clock			1			1							1
28.562	40	A	SPHERE	egg			1			1		1					2
2.19	41	C	SPHERE	nest			1		1	1	1						3
4.1	43	C	BEAK	bird			1			1	1						2
~~24.849~~	~~10~~	~~B~~	~~BENT-B~~	~~egg~~													~~0~~
					4	27	16	9	10	39	24	12	4	6	10		114

All Groups (9): Movement Overall

Start Time	CL-ID	Group	CL	Ref	CC Property	CC Event	CC Entity	Mvt Path Shape Arc	Mvt Path Shape Circle	Mvt Path Shape Line		
4.190	3	B	SPHERE	clouds	1				1			1
12.301	5	B	SPHERE	nest	1			1				1
13.970	27	B	C-BENT-5	nest	1			1				1
3.800	42	B	SPHERE	nest	1				1			1
13.241	6	B	STK	needles		1				1		1
18.786	7	A	SPHERE	egg		1		1				1
19.871	8	C	TL	legs		1		1				1
24.05	9	C	TL	legs		1		1				1
6.03	12	C	TE	sewing needle		1			1			1
10.590	13	A	WC	clock		1		1				1
13.435	14	C	TL	legs		1		1				1
22.025	16	C	SPHERE	egg		1		1				1
22.510	17	B	CB (Alt)	blanket		1		1				1
24.249	18	B	WS	blanket		1				1		1
28.865	20	C	SPHERE	egg		1				1		1
18.92	28	C	STK	crochet needle		1				1		1
24.480	29	B	SPHERE	egg		1				1		1
33.660	30	A	WC	clock		1		1				1
5.820	32	B	SPHERE	bum		1				1		1
7.060	33	B	SPHERE	bum		1				1		1
10.27	34	C	STK	crochet needle		1		1				1
13.785	35	A	SPHERE	tummy		1				1		1
23.120	37	A	SPHERE	egg		1				1		1
24.480	38	B	SPHERE	bum		1						0
8.110	44	B	TE (Alt)	sewing needle		1		1				1
8.796	45	B	STK	legs		1				1		1
9.806	46	B	SPHERE	tummy		1				1		1
11.41	47	C	TL	legs		1		1				1
18.587	48	A	WC	clock		1		1				1
19.421	49	B	STK (Alt)	legs		1						0
20.142	50	C	TL	legs		1				1		1
0.666	1	A	TREE	trees			1			1		1
2.120	2	B	EXP-GROWTH	grass			1			1		1
7.62	4	C	SPHERE	nest			1			1		1
3.401	11	B	WO	nest			1			1		1
16.770	15	A	SPHERE	egg			1			1		1
26.101	19	A	PL-H	nest								0
0.810	21	B	PL-H-WIDE	surroundings			1		1			1
2.460	22	B	EXP-GROWTH	grass			1			1		1
4.090	23	B	FO	earth			1			1		1
5.530	24	B	TREE (Alt)	trees			1			1		1
11.657	25	A	PINKY-FORK	branch								0
12.55	26	C	SPHERE	nest			1			1		1
2	31	C	SPHERE	nest			1			1		1
15.229	36	A	SPHERE	egg			1					0
26.940	39	A	SPHERE	clock			1			1		1
28.562	40	A	SPHERE	egg			1			1		1
2.19	41	C	SPHERE	nest			1	1				1
4.1	43	C	BEAK	bird			1			1		1
~~24.849~~	~~10~~	~~B~~	~~BENT-B~~	~~egg~~								0
					4	27	16	15	4	25		44

All Groups (3): Movement Overall

CL-ID	Group	CL	Ref	CC Property	CC Event	CC Entity	Mvt Pattern ALTERNATING	Mvt Pattern BENDING	Mvt Pattern BOUNCING	Mvt Pattern CLOSE	Mvt Pattern CO	Mvt Pattern OPEN	Mvt Pattern RUBBING	Mvt Pattern WIGGLING				
3	B	SPHERE	clouds	1											0			
5	B	SPHERE	nest	1											0			
27	B	C-BENT-5	nest	1											0			
42	B	SPHERE	nest	1							1				1			
6	B	STK	needles		1										0			
7	A	SPHERE	egg		1							1			1			
8	C	TL	legs		1				1						1			
9	C	TL	legs		1				1						1			
12	C	TE	sewing needle		1						1				1			
13	A	WC	clock		1						1				1			
14	C	TL	legs		1			1							1			
16	C	SPHERE	egg		1										0			
17	B	CB (Alt)	blanket		1		1				1				2			
18	B	WS	blanket		1										0			
20	C	SPHERE	egg		1				1	1		1			3			
28	C	STK	crochet needle		1						1		1		2			
29	B	SPHERE	egg		1							1			1			
30	A	WC	clock		1						1				1			
32	B	SPHERE	bum		1						1				1			
33	B	SPHERE	bum		1										0			
34	C	STK	crochet needle		1						1		1		2			
35	A	SPHERE	tummy		1										0			
37	A	SPHERE	egg		1										0			
38	B	SPHERE	bum		1									1	1			
44	B	TE (Alt)	sewing needle		1		1				1				2			
45	B	STK	legs		1										0			
46	B	SPHERE	tummy		1										0			
47	C	TL	legs		1			1							1			
48	A	WC	clock		1						1				1			
49	B	STK (Alt)	legs		1		1								1			
50	C	TL	legs		1			1							1			
1	A	TREE	trees			1								1	1			
2	B	EXP-GROWTH	grass			1								1	1			
4	C	SPHERE	nest			1									0			
11	B	WO	nest			1									0			
15	A	SPHERE	egg			1									0			
19	A	PL-H	nest												0			
21	B	PL-H-WIDE	surroundings			1									0			
22	B	EXP-GROWTH	grass			1								1	1			
23	B	FO	earth			1							1		1			
24	B	TREE (Alt)	trees			1	1							1	2			
25	A	PINKY-FORK	branch												0			
26	C	SPHERE	nest			1									0			
31	C	SPHERE	nest			1					1				1			
36	A	SPHERE	egg			1									0			
39	A	SPHERE	clock			1									0			
40	A	SPHERE	egg			1									0			
41	C	SPHERE	nest			1									0			
43	C	BEAK	bird			1									0			
~~10~~	~~B~~	~~BENT-B~~	~~egg~~												0			
				4	27	16	4	3	3	1	11	3	3	5	33			

	CL-ID	Group	CL	Ref	CC Property	CC Event	CC Entity	Mvt Path Direction Left	Mvt Path Direction Right	Mvt Path Direction Up	Mvt Path Direction Down	Mvt Path Direction Forward	Mvt Path Direction Backward	Mvt Path Direction Convergent	Mvt Path Direction Divergent	Mvt Path Shape Arc	Mvt Path Shape Circle	Mvt Path Shape Line	Mvt Pattern ALTERNATING	Mvt Pattern BENDING	Mvt Pattern BOUNCING	Mvt Pattern CLOSE	Mvt Pattern CO	Mvt Pattern OPEN	Mvt Pattern RUBBING	Mvt Pattern WIGGLING
	3	B	SPHERE	clouds	1					1					1		1									
	5	B	SPHERE	nest	1					1					1	1										
	27	B	C-BENT-5	nest	1										1	1										
	42	B	SPHERE	nest	1									1	1		1						1			
	6	B	STK	needles		1						1	1	1	1			1								
	7	A	SPHERE	egg		1					1					1								1		
	8	C	TL	legs		1				1	1		1			1					1					
	9	C	TL	legs		1				1	1	1				1					1					
	12	C	TE	sewing needle		1		1		1							1						1			
	13	A	WC	clock		1			1	1						1							1			
	14	C	TL	legs		1				1	1					1				1						
	16	C	SPHERE	egg		1						1				1										
	17	B	CB (Alt)	blanket		1				2	2					1			1				1			
	18	B	WS	blanket		1								1	1			1								
	20	C	SPHERE	egg		1				2	2							1			1	1		1		
	28	C	STK	crochet needle		1		1	1			1	1					1					1		1	
	29	B	SPHERE	egg		1				1					1			1						1		
	30	A	WC	clock		1				1						1							1			
	32	B	SPHERE	bum		1				1	1							1					1			
	33	B	SPHERE	bum		1		2	2	1	1	1						1								
	34	C	STK	crochet needle		1		1	1							1							1		1	
	35	A	SPHERE	tummy		1			1	1								1								
	37	A	SPHERE	egg		1				1	1							1								
	38	B	SPHERE	bum		1				1	1															1
	44	B	TE (Alt)	sewing needle		1		1	1	2	2			1	1	1			1				1			
	45	B	STK	legs		1		1		1								1								
	46	B	SPHERE	tummy		1		1		1								1								
	47	C	TL	legs		1				1	1					1				1						
	48	A	WC	clock		1				1						1							1			
	49	B	STK (Alt)	legs		1				1			1						1								
	50	C	TL	legs		1				1	1							1		1						
	1	A	TREE	trees			1		1			1						1								1
	2	B	EXP-GROWTH	grass			1					1						1								1
	4	C	SPHERE	nest			1			1	1							1								
	11	B	WO	nest			1			1				1				1								
	15	A	SPHERE	egg			1			1								1								
	19	A	PL-H	nest																						
	21	B	PL-H-WIDE	surroundings			1			1	1			1	1		1									
	22	B	EXP-GROWTH	grass			1			1		1						1								1
	23	B	FO	earth			1				1				1			1							1	
	24	B	TREE (Alt)	trees			1	1	1	2		2						1	1							1
	25	A	PINKY-FORK	branch																						
	26	C	SPHERE	nest			1			1	1							1								
	31	C	SPHERE	nest			1			1	1							1					1			
	36	A	SPHERE	egg			1				1	1														
	39	A	SPHERE	clock			1			1								1								
	40	A	SPHERE	egg			1			1		1						1								
	41	C	SPHERE	nest			1		1	1	1					1										
	43	C	BEAK	bird			1			1	1							1								
	~~10~~	~~B~~	~~BENT-B~~	~~egg~~																						
					4	27	16	9	10	39	24	12	4	6	10	15	4	25	4	3	3	1	11	3	3	5

		Start Time	CL-ID	Group	Ref	EC Property	EC Event	EC Entity	Mvt Path Direction Left	Mvt Path Direction Right	Mvt Path Direction Up	Mvt Path Direction Down	Mvt Path Direction Forward	Mvt Path Direction Backward	Mvt Path Direction Convergent	Mvt Path Direction Divergent	Mvt Path Shape Arc	Mvt Path Shape Circle	Mvt Path Shape Line	Mvt Pattern ALTERNATING	Mvt Pattern BENDING
3		4.190	3	B	clouds	1					1					1		1			
3		12.301	5	B	nest	1					1					1	1				
2		13.970	27	B	nest	1										1	1				
4		3.800	42	B	nest	1									1	1		1			
5		13.241	6	B	needles		1						1	1	1	1			1		
3		18.786	7	A	egg		1					1					1				
5		19.871	8	C	legs		1				1	1		1			1				
5		24.05	9	C	legs		1				1	1	1				1				
4		6.03	12	C	sewing needle		1		1		1							1			
4		10.590	13	A	clock		1			1	1						1				
4		13.435	14	C	legs		1				1	1					1				1
2		22.025	16	C	egg		1						1				1				
7		22.510	17	B	blanket		1				2	2					1			1	
3		24.249	18	B	blanket		1								1	1			1		
8		28.865	20	C	egg		1				2	2							1		
7		18.92	28	C	crochet needle		1		1	1			1	1					1		
4		24.480	29	B	egg		1				1					1			1		
3		33.660	30	A	clock		1				1						1				
4		5.820	32	B	bum		1				1	1							1		
8		7.060	33	B	bum		1		2	2	1	1	1						1		
5		10.27	34	C	crochet needle		1		1	1							1				
3		13.785	35	A	tummy		1			1	1								1		
3		23.120	37	A	egg		1				1	1							1		
3		24.480	38	B	bum		1				1	1									
11		8.110	44	B	TE (Alt)		1		1	1	2	2			1	1	1			1	
3		8.796	45	B	STK		1		1		1								1		
3		9.806	46	B	tummy		1		1		1								1		
4		11.41	47	C	legs		1				1	1					1				1
3		18.587	48	A	clock		1				1						1				
3		19.421	49	B	legs		1				1			1						1	
4		20.142	50	C	legs		1				1	1							1		1
4		0.666	1	A	trees			1		1			1						1		
3		2.120	2	B	grass			1					1						1		
3		7.62	4	C	nest			1			1	1							1		
3		3.401	11	B	nest			1			1				1				1		
2		16.770	15	A	egg			1			1								1		
0		26.101	19	A	nest																
5		0.810	21	B	surroundings			1			1	1			1	1		1			
4		2.460	22	B	grass			1			1		1						1		
4		4.090	23	B	earth			1				1				1			1		
9		5.530	24	B	trees			1	1	1	2		2						1	1	
0		11.657	25	A	branch																
3		12.55	26	C	nest			1			1	1							1		
4		2	31	C	nest			1			1	1							1		
2		15.229	36	A	egg			1				1	1								
2		26.940	39	A	clock			1			1								1		
3		28.562	40	A	egg			1			1		1						1		
4		2.19	41	C	nest			1		1	1	1					1				
3		4.1	43	C	beak			1			1	1							1		
0		~~24.849~~	~~10~~	~~B~~	~~BENT-B~~			~~egg~~													
191							4	27	16												

All Groups (9): Movement Overall

Mvt Pattern BOUNCING	Mvt Pattern CLOSE	Mvt Pattern CO	Mvt Pattern OPEN	Mvt Pattern RUBBING	Mvt Pattern WIGGLING	No pattern
						1
						1
						1
		1				
						1
			1			
1						
1						
		1				
		1				
						1
		1				
						1
1	1		1			
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			1			
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		1				
						1
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						1
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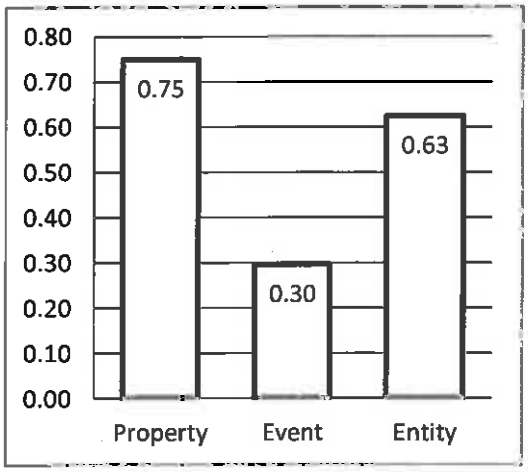
						1
					1	
				1		
					1	
						1
		1				
						1
						1
						1
						1
						1

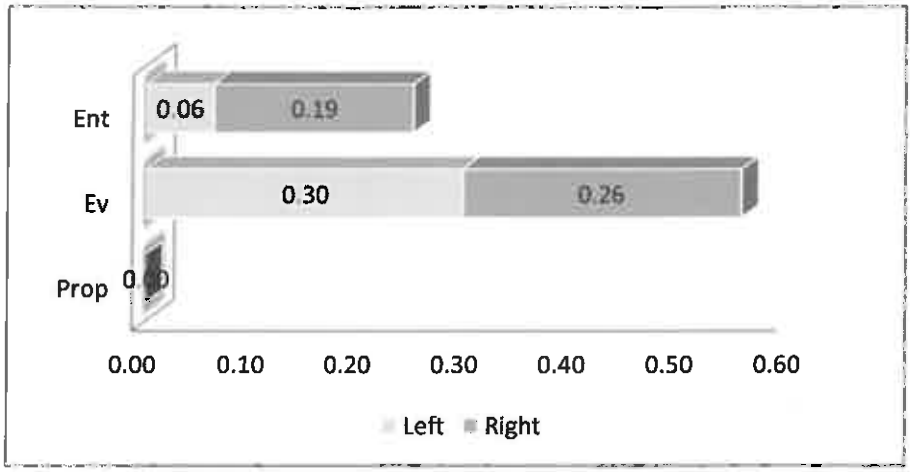
Property	0.75
Event	0.30
Entity	0.63



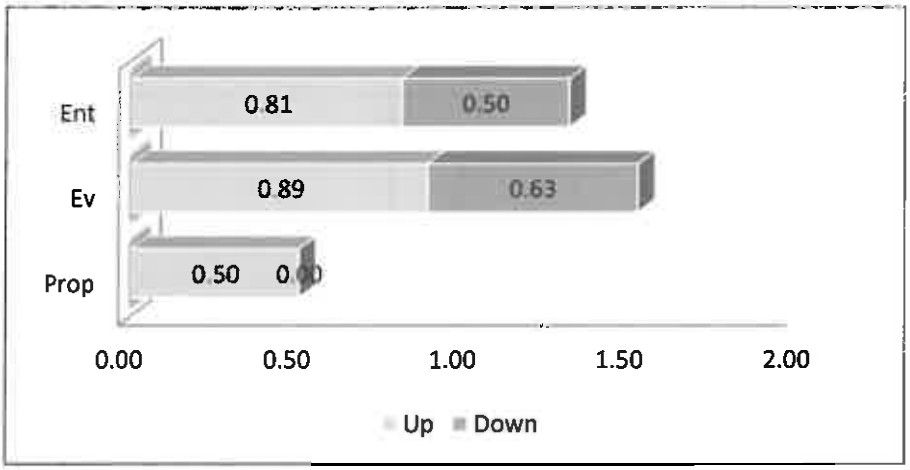
Start Time	CL-ID	Group	CL	Ref	CC Property	MvtCC Event	MvtCC Entity	MvtPD Left	MvtPD Right	MvtPD Up	MvtPD Down	MvtPD Forward	MvtPD Backward	MvtPD Convergent	MvtPD Divergent	MvtPS Arc	MvtPS Circle	MvtPS Line	MvtPat ALT	MvtPat BEND	MvtPat BOUNCE	MvtPat CLOSE	MvtPat CO	MvtPat OPEN	MvtPat RUB	MvtPat WIGGLE
4.190	3	B	SPHERE	clouds	1					1					1		1									
12.301	5	B	SPHERE	nest	1					1					1	1										
13.970	27	B	C-BENT-5	nest	1										1	1										
3.800	42	B	SPHERE	nest	1									1	1		1						1			
13.241	6	B	STK	needles		1						1	1	1	1			1		1						
18.786	7	A	SPHERE	egg		1					1					1								1		
19.871	8	C	TL	legs		1				1	1		1			1					1					
24.05	9	C	TL	legs		1				1	1	1				1					1					
6.03	12	C	TE	sewing needle		1		1		1							1						1			
10.590	13	A	WC	clock		1			1	1						1							1			
13.435	14	C	TL	legs		1				1	1					1				1						
22.025	16	C	SPHERE	egg		1						1				1										
22.510	17	B	CB (Alt)	blanket		1				2	2					1			1				1			
24.249	18	B	WS	blanket		1								1	1			1								
28.865	20	C	SPHERE	egg		1				2	2							1			1	1		1		
18.92	28	C	STK	crochet needle		1		1	1			1	1					1					1		1	
24.480	29	B	SPHERE	egg		1				1					1			1						1		
33.660	30	A	WC	clock		1				1						1							1			
5.820	32	B	SPHERE	bum		1				1	1							1					1			
7.060	33	B	SPHERE	bum		1		2	2	1	1	1						1								
10.27	34	C	STK	crochet needle		1		1	1							1							1		1	
13.785	35	A	SPHERE	tummy		1			1	1								1								
23.120	37	A	SPHERE	egg		1				1	1							1								
24.480	38	B	SPHERE	bum		1				1	1			1	1	1										1
8.110	44	B	TE (Alt)	sewing needle		1		1	1	2	2			1	1	1			1				1			
8.796	45	B	STK	legs		1		1		1								1								
9.806	46	B	SPHERE	tummy		1		1		1								1								
11.41	47	C	TL	legs		1				1	1					1				1						
18.587	48	A	WC	clock		1				1						1							1			
19.421	49	B	STK (Alt)	legs		1				1	1		1			1			1							
20.142	50	C	TL	legs		1				1	1							1		1						
0.666	1	A	TREE	trees			1		1			1						1								1
2.120	2	B	EXP-GROWTH	grass			1					1						1								1
7.62	4	C	**SPHERE**	nest			1			1	1							1								
3.401	11	B	WO	nest			1			1				1				1								
16.770	15	A	SPHERE	egg			1			1								1								
26.101	19	A	PL-H	nest																						
0.810	21	B	PL-H-WIDE	surroundings			1			1	1			1	1		1									
2.460	22	B	EXP-GROWTH	grass			1			1		1						1								1
4.090	23	B	FO	earth			1				1				1			1							1	
5.530	24	B	TREE (Alt)	trees			1	1	1	2		2						1	1							1
11.657	25	A	PINKY-FORK	branch																						
12.55	26	C	**SPHERE**	nest			1			1	1							1								
2	31	C	**SPHERE**	nest			1			1	1							1					1			
15.229	36	A	SPHERE	egg			1				1	1						1								
26.940	39	A	SPHERE	clock			1			1								1								
28.562	40	A	SPHERE	egg			1			1		1						1								
2.19	41	C	**SPHERE**	nest			1		1	1	1					1										
4.1	43	C	**BEAK**	bird			1			1	1							1								
~~24.849~~	~~10~~	~~B~~	~~BENT-B~~	~~egg~~																						
					4	27	16	9	10	39	25	12	4	7	11	17	4	26	4	4	3	1	11	3	3	5

198
117
47
34

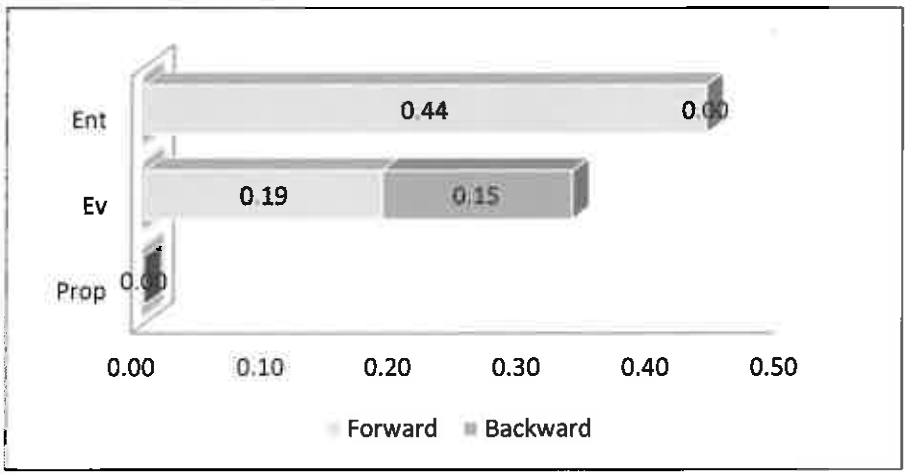
	Prop	*Ev*	*Ent*
Left	0.00	0.30	0.06
Right	0.00	0.26	0.19



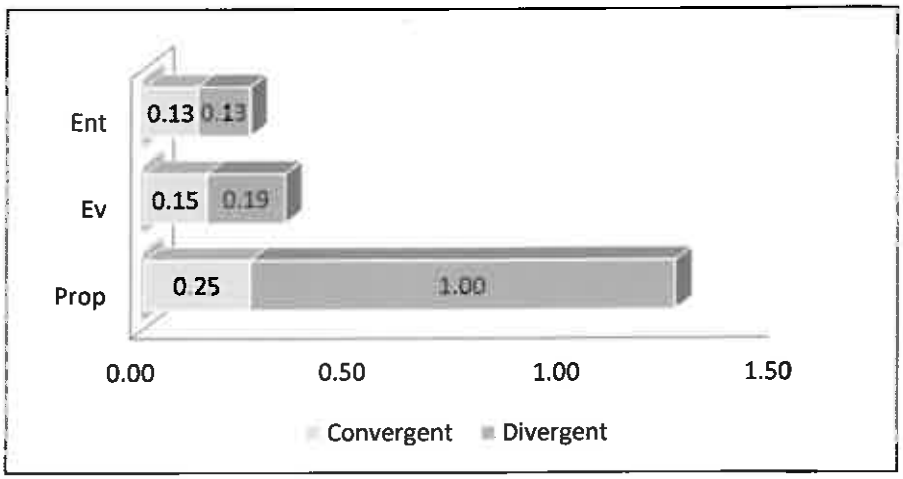
	Prop	*Ev*	*Ent*
Up	0.50	0.89	0.81
Down	0.00	0.63	0.50



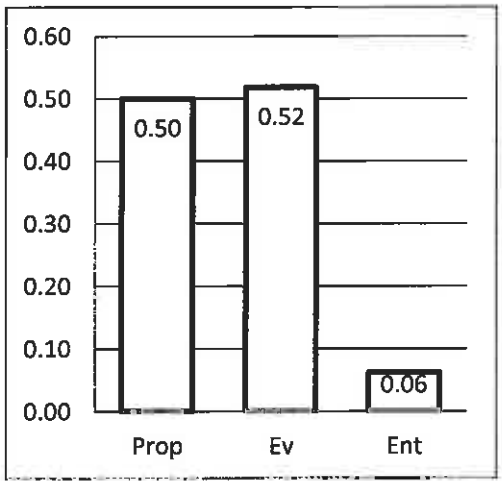
	Prop	*Ev*	*Ent*
Forward	0.00	0.19	0.44
Backward	0.00	0.15	0.00



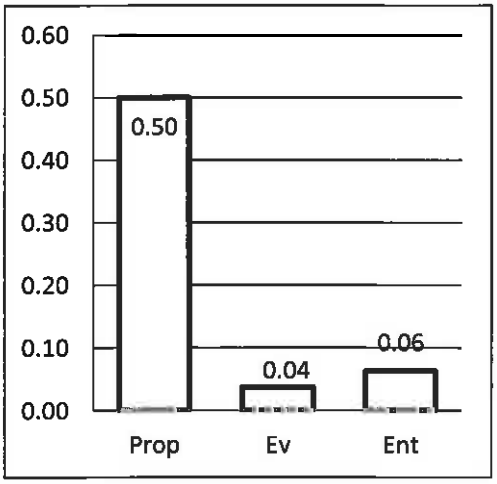
	Prop	*Ev*	*Ent*
Convergent	0.25	0.15	0.13
Divergent	1.00	0.19	0.13



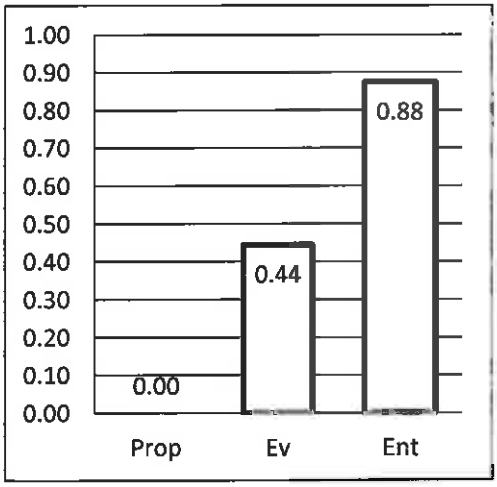
	Prop	*Ev*	*Ent*
Arc	0.50	0.52	0.06



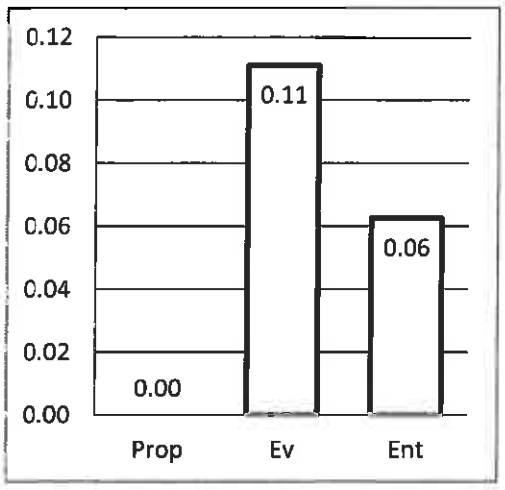
	Prop	*Ev*	*Ent*
Circle	0.50	0.04	0.06



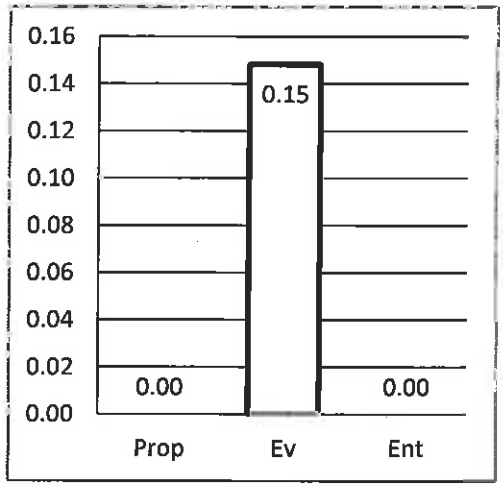
	Prop	*Ev*	*Ent*
Line	0.00	0.44	0.88



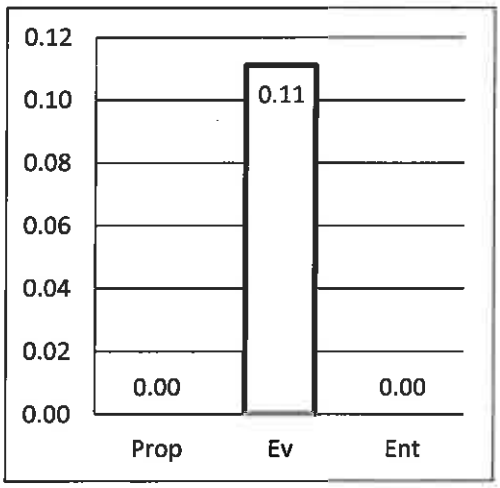
	Prop	*Ev*	*Ent*
ALT	**0.00**	**0.11**	**0.06**



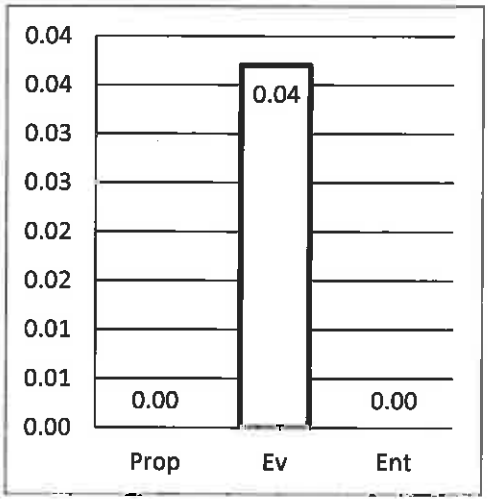
	Prop	*Ev*	*Ent*
BENDING	**0.00**	**0.15**	**0.00**



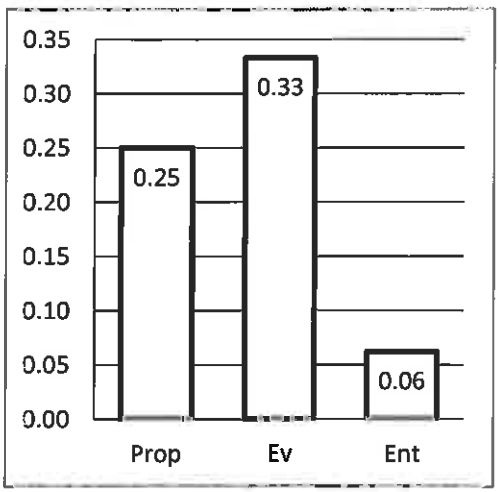
	Prop	*Ev*	*Ent*
BOUNCE	**0.00**	**0.11**	**0.00**



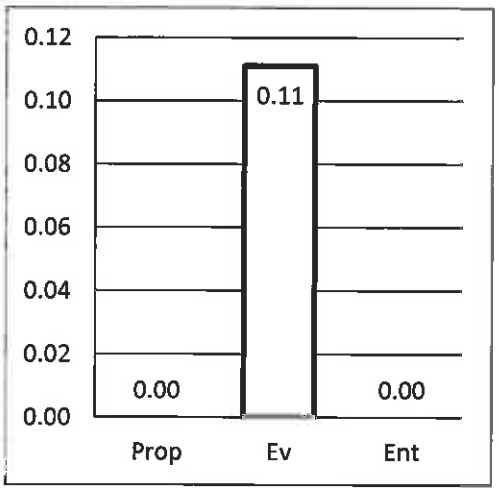
	Prop	*Ev*	*Ent*
CLOSE	**0.00**	**0.04**	**0.00**



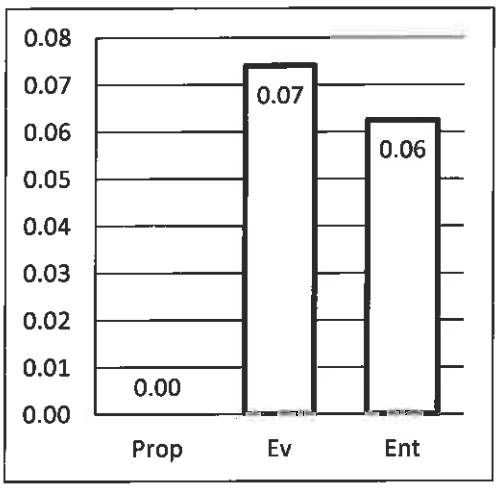
	Prop	*Ev*	*Ent*
CO	**0.25**	**0.33**	**0.06**



	Prop	*Ev*	*Ent*
OPEN	**0.00**	**0.11**	**0.00**



	Prop	*Ev*	*Ent*
RUB	**0.00**	**0.07**	**0.06**



	Prop	*Ev*	*Ent*
WIGGLE	**0.00**	**0.04**	**0.25**

