

Appendix B2: SAS output for outlier and influence diagnostics for selected models

Models under Simplistic Linear Mean Structures

Model = no random effects model with $\omega_i = \text{UN}$

Influence Diagnostics for Levels of Subject												
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	Restricted Likelihood Distance
1	9	5	470.65	0.95698	1.20470	0.6646	0.3542	11.4357	65.7069	0.0012	2.8136	37.070
2	9	5	622.19	0.15214	0.16380	0.9091	0.0870	8.0181	34.6523	0.0056	2.6231	21.127
3	9	3	423.24	0.00061	0.00059	1.1379	0.1319	0.3053	0.3464	3.0360	1.1996	0.344
4	9	3	252.29	0.00450	0.00442	1.0891	0.0872	0.4305	0.5159	2.3118	0.9492	0.545
5	9	2	170.41	0.00039	0.00037	1.1399	0.1337	0.1621	0.1685	4.3496	1.5314	0.175
6	9	3	384.25	0.00186	0.00185	1.0578	0.0580	0.2935	0.3380	2.7193	1.0905	0.408
7	9	3	924.47	0.46519	0.50907	0.8729	0.1240	5.6152	15.1815	0.0488	1.4372	11.528
8	9	3	312.65	0.17108	0.18574	0.8899	0.1066	1.6963	2.6775	0.6202	0.0660	2.641
9	9	2	268.01	0.00253	0.00241	1.1410	0.1347	0.1788	0.1866	4.4372	1.5558	0.192
10	9	4	682.37	0.16093	0.17030	0.9562	0.0399	2.5283	5.3167	0.2637	0.3747	4.321
11	9	3	374.21	0.01245	0.01236	1.0959	0.0935	0.3112	0.3539	3.1450	1.2354	0.392

Influence Diagnostics for Levels of Subject												
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	Restricted Likelihood Distance
12	9	2	257.10	0.01718	0.01695	1.0652	0.0649	0.2046	0.2171	3.7979	1.3944	0.292
13	9	3	58.50	0.00387	0.00376	1.1398	0.1336	0.5260	0.6477	2.1754	0.9046	0.617
14	9	2	83.52	0.04305	0.04231	1.0891	0.0872	0.2849	0.3046	3.6651	1.3943	0.360
15	9	2	179.00	0.00243	0.00233	1.1349	0.1292	0.1069	0.1054	5.4547	1.7489	0.118
16	9	2	32.46	0.00132	0.00126	1.1457	0.1389	0.0708	0.0672	7.9915	2.1329	0.071
17	9	3	404.46	0.01704	0.01687	1.0658	0.0655	0.5545	0.6882	2.0352	0.8345	0.728
18	9	3	451.95	0.01332	0.01327	1.1036	0.1006	0.4362	0.5240	2.5290	1.0456	0.540
19	9	5	571.51	1.05266	1.29111	0.7355	0.2723	6.3886	23.1726	0.0366	0.5572	15.526
20	9	3	457.13	0.01408	0.01437	1.0608	0.0608	1.5722	2.5703	0.5890	0.1418	2.279
21	9	2	44.11	0.02556	0.02493	1.0897	0.0877	0.1271	0.1241	4.9916	1.6636	0.180
22	9	3	82.41	0.00877	0.00846	1.1130	0.1092	0.3358	0.3805	2.8924	1.1534	0.401
23	9	2	448.83	0.00327	0.00321	1.1060	0.1028	0.1588	0.1657	4.1543	1.4858	0.202
24	9	2	109.78	0.00564	0.00539	1.1355	0.1297	0.0839	0.0800	6.4812	1.9211	0.093
25	9	4	822.45	0.64762	0.78088	0.7333	0.2747	4.9378	13.0787	0.0618	1.1549	10.100
26	9	4	380.09	0.09379	0.09563	1.0052	0.0080	6.7234	22.8081	0.0152	2.3759	15.281
27	9	2	14.20	0.00936	0.00897	1.1382	0.1322	0.1245	0.1221	5.5910	1.7856	0.133
28	9	2	480.69	0.00061	0.00060	1.1383	0.1322	0.2510	0.2770	3.4138	1.3067	0.279

Influence Diagnostics for Levels of Subject												
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	Restricted Likelihood Distance
29	9	2	128.50	0.00367	0.00352	1.1363	0.1305	0.0797	0.0759	7.1965	2.0251	0.088
30	9	2	136.51	0.00737	0.00718	1.1150	0.1111	0.0857	0.0826	6.3231	1.8952	0.113
31	9	2	382.54	0.01532	0.01530	1.0996	0.0969	0.1904	0.2029	4.2190	1.5197	0.245
32	9	3	158.04	0.17870	0.18720	0.9553	0.0407	1.5335	2.2976	0.8129	0.1846	2.274
33	9	2	129.38	0.00685	0.00663	1.1077	0.1044	0.0838	0.0810	5.5812	1.7657	0.118
34	9	3	459.86	0.00593	0.00592	1.0665	0.0662	0.3598	0.4216	2.5383	1.0307	0.480
35	9	2	540.72	0.00633	0.00631	1.1101	0.1066	0.1876	0.2007	3.9364	1.4527	0.232
36	9	2	546.68	0.00337	0.00332	1.1301	0.1248	0.2086	0.2245	3.8488	1.4242	0.237
37	9	3	210.81	0.01819	0.01755	1.1278	0.1227	0.2940	0.3213	3.6698	1.3896	0.336
38	9	5	1169.00	0.14484	0.14713	1.0708	0.0702	10.6050	62.5996	0.0012	3.2352	33.585
39	9	2	66.26	0.07598	0.07586	1.0404	0.0416	0.1830	0.1859	4.6176	1.6099	0.289
40	9	2	205.25	0.00167	0.00160	1.1381	0.1320	0.0760	0.0727	6.5208	1.9236	0.083
41	9	2	146.70	0.01344	0.01295	1.1157	0.1117	0.0865	0.0821	6.2365	1.8813	0.113
42	9	2	53.16	0.06906	0.06682	1.1149	0.1110	0.1297	0.1167	8.7449	2.2869	0.156
43	9	2	290.48	0.03472	0.03535	1.0151	0.0175	0.1834	0.1946	4.2845	1.5211	0.319
44	9	4	243.44	0.00698	0.00712	1.0014	0.0043	1.2700	1.9380	0.7531	0.0027	1.845
45	9	2	143.15	0.00760	0.00747	1.1276	0.1225	0.2429	0.2649	3.8415	1.4222	0.279

Influence Diagnostics for Levels of Subject												
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	Restricted Likelihood Distance
46	9	4	243.30	0.20719	0.25137	0.7129	0.2980	3.7773	8.5596	0.1235	1.2030	7.224
47	9	3	772.87	0.09390	0.11073	0.7779	0.2251	0.9978	1.5636	1.0191	0.3228	1.769
48	9	3	52.10	0.03926	0.03801	1.1197	0.1153	0.3967	0.4433	3.3648	1.3357	0.466
49	9	2	132.95	0.00049	0.00046	1.1449	0.1382	0.0736	0.0702	6.9637	1.9903	0.074
50	9	2	61.34	0.01201	0.01155	1.1214	0.1169	0.0723	0.0682	6.9701	1.9922	0.093
51	9	2	61.41	0.01661	0.01596	1.1257	0.1208	0.0825	0.0772	7.1475	2.0248	0.100
52	9	2	61.81	0.03794	0.03663	1.1147	0.1108	0.1325	0.1244	6.0908	1.8848	0.161
53	9	3	412.13	0.00354	0.00346	1.1048	0.1017	5.1799	14.6356	0.0376	1.9472	10.348
54	9	4	284.85	0.31395	0.32962	0.9651	0.0311	0.6528	0.8459	2.8311	1.4196	0.977
55	9	3	251.46	0.13952	0.14146	1.0263	0.0282	0.2133	0.2322	6.0058	1.9450	0.343
56	9	3	249.00	0.17642	0.18171	0.9941	0.0028	0.5206	0.6176	2.9314	1.2913	0.754
57	9	3	109.65	0.00438	0.00438	1.0812	0.0798	0.3292	0.3819	2.7239	1.0992	0.428
58	9	2	27.96	0.03386	0.03260	1.1278	0.1227	0.1135	0.1042	7.0752	2.0415	0.129
59	9	2	34.29	0.00554	0.00530	1.1410	0.1347	0.0713	0.0674	8.5178	2.1992	0.075
60	9	2	49.29	0.01587	0.01531	1.1138	0.1099	0.0925	0.0880	6.0237	1.8482	0.121

Model = random effects model with ω_i = CSH and Σ = CSH

Subject	Number of Observations in Level	Iterations	Influence Diagnostics for Levels of Subject										Restricted Likelihood Distance	Notes
			PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms			
1	9	4	484.24	0.16019	0.14718	1.2464	0.2347	1.9892	1.9746	2.6725	6.638	1.792		
2	9	5	688.10	0.28172	0.26215	1.2403	0.2277	2.8650	3.9805	1.5810	2.657	3.684		
3	9	3	666.13	0.03695	0.03679	1.0686	0.0685	0.2902	0.2927	0.8639	0.255	0.300		
4	9	2	554.93	0.00600	0.00576	1.1378	0.1319	0.0894	0.0847	1.4541	0.492	0.111		
5	9	2	219.43	0.00516	0.00497	1.1086	0.1050	0.0588	0.0561	1.4852	0.434	0.069		
6	9	3	610.77	0.03156	0.03120	1.0264	0.0270	0.1591	0.1278	0.9188	0.682	0.177		
7	9	5	1212.91	0.13381	0.15404	0.8164	0.1726	2.4187	6.5200	0.2386	2.571	4.445		
8	9	4	189.57	0.08887	0.09665	0.8809	0.1128	0.7067	0.7980	1.3194	0.557	1.105		
9	9	2	479.73	0.00845	0.00829	1.0875	0.0855	0.0751	0.0656	1.0719	0.136	0.077		
10	9	5	1030.10	0.02258	0.02298	0.9058	0.0928	0.8965	0.6877	1.4560	16.146	0.543		
11	9	2	254.75	0.02201	0.02159	1.0826	0.0814	0.1265	0.1225	1.3650	0.436	0.227		
12	9	3	158.94	0.04575	0.04670	0.9984	0.0014	0.1286	0.1103	1.3272	1.393	0.234		
13	9	3	110.17	0.04560	0.04345	1.1672	0.1583	0.2754	0.2639	1.5997	0.667	0.312		
14	9	2	39.26	0.00278	0.00267	1.1418	0.1354	0.0615	0.0559	1.2394	0.344	0.061		
15	9	2	349.88	0.00299	0.00286	1.1270	0.1220	0.0545	0.0520	1.5422	0.447	0.057		

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITs	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITs CovParms	COVRATIO CovParms	COVTRACE CovParms	Restricted Likelihood Distance	Notes
16	9	2	140.59	0.00480	0.00457	1.1432	0.1367	0.0576	0.0522	1.7660	0.626	0.065	G is not p.d.
17	9	3	525.96	0.01134	0.01077	1.2099	0.1960	0.1759	0.1612	1.6486	0.994	0.167	
18	9	2	490.07	0.01072	0.01041	1.1420	0.1358	0.1969	0.1958	1.5612	0.554	0.229	
19	9	5	724.88	0.15742	0.17476	0.8601	0.1370	.	.	.	.	6.210	
20	9	3	541.20	0.01686	0.01648	1.0816	0.0800	0.3343	0.3312	1.1205	0.294	0.400	
21	9	2	190.35	0.00438	0.00420	1.1265	0.1215	0.0551	0.0527	1.7042	0.553	0.069	
22	9	2	245.33	0.01504	0.01428	1.1644	0.1558	0.0624	0.0477	1.9301	0.909	0.070	
23	9	2	654.89	0.01566	0.01551	1.0832	0.0820	0.1682	0.1662	1.2268	0.520	0.171	
24	9	2	190.73	0.01653	0.01615	1.0892	0.0872	0.0762	0.0654	1.3875	0.560	0.084	
25	9	4	1138.66	0.19775	0.20293	1.0143	0.0370	0.6301	2.4862	1.2152	4.264	1.495	
26	9	5	526.20	0.19823	0.21742	0.7993	0.2075	2.8055	10.4466	0.0397	0.763	6.698	
27	9	2	145.71	0.02644	0.02532	1.1377	0.1319	0.0836	0.0642	2.2249	0.951	0.113	
28	9	2	719.03	0.02777	0.02726	1.0849	0.0835	0.1920	0.1951	1.0983	0.289	0.206	
29	9	2	122.98	0.00515	0.00496	1.1273	0.1223	0.0493	0.0469	1.6151	0.492	0.061	
30	9	2	75.12	0.01242	0.01210	1.0925	0.0902	0.0554	0.0530	1.4598	0.394	0.085	
31	9	2	476.33	0.00577	0.00572	1.1015	0.0986	0.1217	0.1171	1.3307	0.394	0.124	

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	Restricted Likelihood Distance	Notes
32	9	5	294.11	0.05926	0.06412	0.8928	0.1023	1.2920	0.8729	2.1865	18.405	0.739	
33	9	3	241.02	0.02551	0.02514	1.0645	0.0641	0.0828	0.0626	1.3943	0.911	0.104	
34	9	2	704.79	0.00175	0.00174	1.1226	0.1181	0.0872	0.0876	1.2635	0.267	0.101	
35	9	3	745.56	0.02369	0.02359	1.0513	0.0515	0.2331	0.2338	1.1770	0.861	0.251	
36	9	3	694.31	0.04843	0.04848	1.0173	0.0183	0.2684	0.2883	0.9970	0.776	0.317	
37	9	4	408.85	0.06825	0.06541	1.1634	0.1555	0.3357	0.3436	1.7330	1.995	0.416	
38	9	5	1690.30	0.81365	0.61308	1.8257	0.6965	17.1712	18.4906	2.4130	18.368	11.718	
39	9	3	127.93	0.02612	0.02600	1.0328	0.0338	0.1126	0.0788	1.6721	1.983	0.151	
40	9	2	370.84	0.00316	0.00307	1.1192	0.1150	0.0680	0.0645	1.5050	0.457	0.067	
41	9	2	198.79	0.00617	0.00595	1.1095	0.1058	0.0528	0.0500	1.3967	0.347	0.063	
42	9	5	15.85	0.00153	0.00148	1.0702	0.0690	0.0000	0.0000	0.5391	0.553	0.006	
43	9	2	152.90	0.05500	0.05657	0.9897	0.0069	0.1250	0.1218	1.1792	1.166	0.216	
44	9	3	228.48	0.05664	0.05313	1.1991	0.1932	0.6036	0.6962	1.4567	3.017	0.642	
45	9	2	103.94	0.01069	0.01039	1.0982	0.0955	0.0378	0.0362	1.3200	0.296	0.065	
46	9	5	348.61	0.15474	0.17954	0.7866	0.1993	1.6874	2.8970	2.8738	14.000	2.498	
47	9	5	539.94	0.14998	0.17199	0.7809	0.2239	0.5041	0.9206	0.6493	1.491	1.010	
48	9	4	104.48	0.02359	0.02301	1.0823	0.0820	0.1228	0.1277	1.4345	0.593	0.203	

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	Restricted Likelihood Distance	Notes
49	9	2	289.94	0.00292	0.00284	1.1181	0.1138	0.0650	0.0601	1.3791	0.345	0.064	
50	9	2	98.60	0.00692	0.00665	1.1233	0.1186	0.0597	0.0570	1.6906	0.546	0.071	
51	9	2	107.04	0.00380	0.00366	1.1239	0.1192	0.0606	0.0579	1.5054	0.422	0.062	
52	9	2	86.20	0.00075	0.00072	1.1476	0.1407	0.0565	0.0524	1.5364	0.507	0.056	
53	9	4	576.71	0.16086	0.16254	0.9408	0.0593	2.5569	4.5533	0.1498	1.152	3.798	
54	9	3	491.68	0.12397	0.12883	1.0110	0.0169	0.6396	0.5823	2.2926	1.231	0.856	
55	9	3	99.12	0.02456	0.02437	1.0699	0.0693	0.1053	0.0865	1.4221	0.670	0.123	
56	9	2	100.99	0.03110	0.03086	1.0635	0.0631	0.1343	0.1410	0.9056	0.014	0.166	
57	9	2	131.05	0.01004	0.00974	1.1054	0.1022	0.0643	0.0594	1.4469	0.429	0.072	
58	9	5	64.89	0.00231	0.00222	1.1014	0.0984	0.0144	0.0142	0.9210	0.063	0.023	
59	9	5	135.33	0.00091	0.00088	1.0702	0.0690	0.0000	0.0000	0.5044	0.601	0.004	
60	9	2	144.22	0.00148	0.00141	1.1358	0.1300	0.0519	0.0496	1.5457	0.464	0.054	

Model = random effects model with $\omega_i = \text{VC}$ and $\Sigma = \text{UN}$

Subject	Number of Observations in Level	Iterations	Influence Diagnostics for Levels of Subject										RMSE without deleted level	Restricted Likelihood Distance
			PRESS Statistic	Cook's D	MDFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFITS CovParms	COVRATIO CovParms	COVTRACE CovParms			
1	9	2	333.24	0.02829	0.02849	1.0211	0.0232	0.09045	0.09341	0.9728	0.0241	4.27884	0.2113	
2	9	2	579.36	0.00058	0.00055	1.1446	0.1380	0.73397	0.81168	1.0504	0.0583	4.17899	0.7957	
3	9	2	299.35	0.00792	0.00765	1.1112	0.1075	0.05000	0.05001	1.1021	0.0996	4.27654	0.0822	
4	9	1	161.38	0.00653	0.00628	1.1161	0.1120	0.01489	0.01431	1.1512	0.1435	4.31827	0.0407	
5	9	2	129.40	0.00336	0.00321	1.1319	0.1264	0.01534	0.01468	1.1744	0.1643	4.31499	0.0284	
6	9	2	229.30	0.01510	0.01479	1.0790	0.0778	0.01554	0.01511	1.0788	0.0776	4.30085	0.0766	
7	9	3	815.02	0.07104	0.07867	0.8443	0.1538	0.48438	0.61957	0.7420	0.2623	4.29406	0.9022	
8	9	2	274.46	0.02933	0.02960	1.0165	0.0188	0.08551	0.08779	1.0135	0.0179	4.33015	0.2105	
9	9	1	159.67	0.00432	0.00414	1.1259	0.1210	0.01048	0.01000	1.1537	0.1459	4.30679	0.0274	
10	9	3	473.87	0.04921	0.05185	0.9325	0.0634	0.23367	0.26657	0.8519	0.1461	4.28231	0.4725	
11	9	2	396.45	0.02261	0.02249	1.0458	0.0467	0.03629	0.03678	1.0262	0.0281	4.29749	0.1301	
12	9	2	297.49	0.01620	0.01590	1.0741	0.0733	0.01647	0.01610	1.0812	0.0799	4.31051	0.0822	
13	9	2	67.33	0.00290	0.00278	1.1340	0.1283	0.03239	0.03109	1.1913	0.1790	4.32746	0.0434	
14	9	2	121.15	0.00935	0.00906	1.1047	0.1016	0.03852	0.03690	1.1506	0.1431	4.33220	0.0753	
15	9	2	117.37	0.00030	0.00028	1.1459	0.1391	0.01810	0.01721	1.1919	0.1798	4.31108	0.0189	

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	RMSE without deleted level	Restricted Likelihood Distance
16	9	2	55.00	0.00623	0.00599	1.1188	0.1146	0.04590	0.04390	1.1757	0.1653	4.33495	0.0699
17	9	2	301.85	0.01449	0.01417	1.0817	0.0804	0.03661	0.03629	1.0659	0.0655	4.28387	0.0955
18	9	2	365.27	0.01644	0.01615	1.0731	0.0723	0.12515	0.12804	1.0273	0.0291	4.25742	0.1953
19	9	2	555.27	0.01344	0.01312	1.0864	0.0847	0.37389	0.39896	1.0067	0.0106	4.21636	0.4491
20	9	2	339.77	0.03269	0.03323	1.0020	0.0049	0.10035	0.10603	0.9509	0.0454	4.28480	0.2428
21	9	2	78.39	0.01222	0.01190	1.0919	0.0898	0.04389	0.04206	1.1322	0.1268	4.33381	0.0924
22	9	2	61.62	0.00177	0.00168	1.1392	0.1330	0.03471	0.03329	1.1999	0.1865	4.32777	0.0411
23	9	2	309.98	0.01090	0.01059	1.0978	0.0952	0.06718	0.06769	1.0766	0.0758	4.27091	0.1121
24	9	2	102.79	0.00164	0.00156	1.1397	0.1336	0.02019	0.01933	1.1896	0.1776	4.31765	0.0263
25	9	3	743.86	0.07400	0.08252	0.8327	0.1662	0.52281	0.68058	0.7357	0.2668	4.30738	0.9712
26	9	2	281.12	0.01482	0.01451	1.0802	0.0790	0.01387	0.01345	1.0893	0.0874	4.30942	0.0738
27	9	2	64.89	0.01484	0.01453	1.0802	0.0789	0.06570	0.06284	1.1210	0.1170	4.34053	0.1246
28	9	2	349.23	0.00914	0.00885	1.1057	0.1025	0.10015	0.10203	1.0788	0.0782	4.26163	0.1392
29	9	2	104.08	0.00318	0.00304	1.1327	0.1272	0.02140	0.02055	1.1819	0.1708	4.32075	0.0337
30	9	2	144.39	0.00895	0.00866	1.1065	0.1033	0.03286	0.03152	1.1507	0.1432	4.32966	0.0682
31	9	2	273.10	0.02139	0.02123	1.0512	0.0518	0.03457	0.03478	1.0319	0.0334	4.29515	0.1229

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	RMSE without deleted level	Restricted Likelihood Distance
32	9	2	97.14	0.00513	0.00493	1.1238	0.1191	0.03851	0.03691	1.1798	0.1690	4.33158	0.0583
33	9	2	131.05	0.00318	0.00304	1.1327	0.1272	0.01295	0.01235	1.1702	0.1606	4.30993	0.0253
34	9	2	300.84	0.01610	0.01581	1.0745	0.0737	0.04376	0.04358	1.0532	0.0535	4.28175	0.1095
35	9	2	375.41	0.02157	0.02142	1.0504	0.0510	0.11289	0.11517	1.0006	0.0030	4.26350	0.2043
36	9	2	389.62	0.02310	0.02300	1.0437	0.0447	0.14123	0.14500	0.9858	0.0116	4.25782	0.2405
37	9	2	180.17	0.01516	0.01485	1.0787	0.0776	0.03830	0.03699	1.1077	0.1047	4.32981	0.0993
38	9	3	1084.47	0.06264	0.06804	0.8778	0.1190	0.59501	0.69131	0.7435	0.2689	4.23401	0.9459
39	9	2	152.88	0.02314	0.02305	1.0435	0.0445	0.05351	0.05348	1.0515	0.0531	4.32730	0.1495
40	9	2	128.12	0.00107	0.00102	1.1424	0.1359	0.01597	0.01519	1.1839	0.1728	4.30880	0.0198
41	9	2	104.62	0.00278	0.00265	1.1345	0.1288	0.02194	0.02106	1.1848	0.1734	4.32074	0.0326
42	9	2	153.07	0.02383	0.02377	1.0405	0.0417	0.09273	0.09088	1.0610	0.0628	4.34176	0.1909
43	9	2	343.95	0.02599	0.02604	1.0311	0.0327	0.06646	0.06727	1.0337	0.0367	4.32835	0.1755
44	9	1	200.91	0.00982	0.00952	1.1013	0.0985	0.00938	0.00896	1.1120	0.1081	4.30234	0.0486
45	9	2	130.62	0.00736	0.00710	1.1137	0.1099	0.02409	0.02314	1.1568	0.1486	4.32488	0.0531
46	9	2	318.00	0.04724	0.04958	0.9398	0.0562	0.19042	0.21893	0.8783	0.1167	4.30416	0.4163
47	9	3	843.19	0.07217	0.08013	0.8399	0.1585	0.50463	0.64784	0.7553	0.2425	4.32183	0.9337

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	RMSE without deleted level	Restricted Likelihood Distance
48	9	2	82.31	0.00909	0.00880	1.1059	0.1027	0.03301	0.03165	1.1498	0.1424	4.32972	0.0689
49	9	2	76.45	0.00015	0.00014	1.1466	0.1397	0.02830	0.02709	1.2053	0.1913	4.32212	0.0284
50	9	2	100.82	0.00774	0.00747	1.1120	0.1083	0.03144	0.03016	1.1584	0.1501	4.32893	0.0618
51	9	2	74.70	0.00402	0.00385	1.1289	0.1237	0.03862	0.03703	1.1873	0.1755	4.33115	0.0539
52	9	2	72.93	0.00455	0.00436	1.1265	0.1215	0.04653	0.04452	1.1874	0.1756	4.33469	0.0638
53	9	2	378.36	0.01243	0.01211	1.0909	0.0889	0.07116	0.07177	1.0657	0.0655	4.27003	0.1225
54	9	2	225.64	0.02210	0.02196	1.0481	0.0489	0.06237	0.06149	1.0641	0.0651	4.33308	0.1534
55	9	2	341.44	0.03732	0.03832	0.9821	0.0144	0.16792	0.17537	0.9736	0.0186	4.34287	0.3333
56	9	2	314.37	0.02905	0.02930	1.0178	0.0200	0.10023	0.10149	1.0216	0.0260	4.33676	0.2234
57	9	2	126.18	0.00474	0.00454	1.1256	0.1207	0.01921	0.01845	1.1705	0.1607	4.32039	0.0377
58	9	2	85.92	0.01249	0.01217	1.0906	0.0886	0.05485	0.05243	1.1345	0.1290	4.33784	0.1042
59	9	2	37.73	0.00296	0.00283	1.1337	0.1281	0.05348	0.05110	1.2010	0.1875	4.33661	0.0642
60	9	2	64.17	0.00438	0.00420	1.1272	0.1222	0.03764	0.03610	1.1845	0.1730	4.33088	0.0544

Model = random intercept model with $\omega_i = \text{AR}(1)$

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	RMSE without deleted level	Restricted Likelihood Distance
1	9	2	350.17	0.03574	0.03505	1.0787	0.0777	0.14756	0.14904	1.0348	0.0360	4.86089	0.2899
2	9	2	580.32	0.00150	0.00145	1.0550	0.0553	0.94223	1.00040	0.9930	0.0037	4.81686	1.0108
3	9	2	285.16	0.00923	0.00892	1.0657	0.0649	0.01924	0.01924	1.0552	0.0547	4.88095	0.0556
4	9	2	140.54	0.00520	0.00500	1.1171	0.1129	0.01422	0.01362	1.0882	0.0869	4.93136	0.0384
5	9	2	145.24	0.00330	0.00315	1.1229	0.1182	0.01263	0.01210	1.1022	0.0996	4.92461	0.0236
6	9	2	219.62	0.01402	0.01361	1.0733	0.0722	0.00982	0.00965	1.0658	0.0652	4.88791	0.0642
7	9	2	750.51	0.05214	0.05389	0.9133	0.0861	0.22179	0.24833	0.8836	0.1142	4.89255	0.4804
8	9	2	315.31	0.02535	0.02486	1.0396	0.0400	0.03918	0.03878	1.0319	0.0327	4.92445	0.1451
9	9	2	151.25	0.00454	0.00436	1.0900	0.0878	0.01560	0.01510	1.0809	0.0792	4.90318	0.0315
10	9	2	453.52	0.03675	0.03640	1.0000	0.0012	0.07786	0.08369	1.0100	0.0152	4.83768	0.2263
11	9	2	435.42	0.02322	0.02281	1.0477	0.0478	0.03504	0.03538	1.0159	0.0169	4.91205	0.1199
12	9	2	326.73	0.01340	0.01308	1.0555	0.0551	0.00623	0.00615	1.0348	0.0346	4.91154	0.0612
13	9	2	67.15	0.00447	0.00424	1.1489	0.1419	0.02707	0.02575	1.1160	0.1136	4.93632	0.0449
14	9	2	137.09	0.01031	0.00989	1.1126	0.1087	0.02603	0.02477	1.0902	0.0884	4.93525	0.0658

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	RMSE without deleted level	Restricted Likelihood Distance
15	9	2	115.00	0.00033	0.00032	1.1271	0.1221	0.01357	0.01296	1.1068	0.1038	4.92016	0.0146
16	9	2	59.88	0.00553	0.00529	1.1286	0.1234	0.04625	0.04446	1.1140	0.1103	4.93068	0.0674
17	9	2	295.94	0.01624	0.01579	1.0562	0.0559	0.01565	0.01588	1.0483	0.0484	4.87694	0.0809
18	9	2	375.89	0.01459	0.01452	1.0381	0.0393	0.08888	0.09430	1.0365	0.0409	4.84004	0.1559
19	9	2	531.58	0.01392	0.01358	0.9902	0.0088	0.18407	0.19454	0.9966	0.0002	4.82643	0.2450
20	9	2	346.89	0.02668	0.02618	1.0633	0.0629	0.08056	0.08157	1.0440	0.0448	4.86147	0.1895
21	9	2	76.38	0.01117	0.01074	1.1213	0.1168	0.03311	0.03193	1.1039	0.1009	4.92152	0.0765
22	9	2	60.43	0.00114	0.00108	1.1518	0.1444	0.03118	0.02946	1.1250	0.1218	4.93903	0.0345
23	9	2	303.76	0.01182	0.01157	1.0505	0.0507	0.03707	0.03832	1.0477	0.0493	4.86165	0.0835
24	9	2	110.97	0.00094	0.00090	1.1127	0.1089	0.02943	0.02843	1.1010	0.0981	4.91647	0.0330
25	9	2	683.16	0.06645	0.06793	0.8977	0.1040	0.15718	0.17714	0.8803	0.1182	4.87966	0.4425
26	9	2	255.11	0.00924	0.00888	1.1122	0.1085	0.04607	0.04705	1.0669	0.0677	4.92692	0.0881
27	9	2	66.12	0.01181	0.01134	1.1201	0.1157	0.04812	0.04641	1.1098	0.1063	4.92516	0.0943
28	9	2	337.90	0.01166	0.01137	1.0453	0.0456	0.04509	0.04656	1.0423	0.0436	4.86009	0.0910
29	9	2	118.51	0.00428	0.00409	1.1198	0.1153	0.02193	0.02113	1.1026	0.0997	4.92415	0.0383
30	9	2	169.35	0.00923	0.00891	1.1035	0.1004	0.02816	0.02677	1.0823	0.0809	4.93609	0.0630

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	RMSE without deleted level	Restricted Likelihood Distance
31	9	2	273.75	0.02193	0.02143	1.0596	0.0592	0.01852	0.01881	1.0509	0.0515	4.87441	0.1087
32	9	2	80.80	0.00323	0.00309	1.1170	0.1128	0.04663	0.04495	1.1012	0.0982	4.93037	0.0578
33	9	2	133.87	0.00227	0.00219	1.1125	0.1088	0.01347	0.01289	1.0974	0.0948	4.91011	0.0219
34	9	2	291.33	0.01508	0.01478	1.0435	0.0439	0.03382	0.03446	1.0498	0.0522	4.86357	0.0915
35	9	2	370.50	0.01976	0.01955	1.0322	0.0333	0.07819	0.08296	1.0323	0.0361	4.84252	0.1600
36	9	2	392.23	0.02023	0.02018	1.0317	0.0331	0.10931	0.11679	1.0292	0.0343	4.83377	0.1972
37	9	2	151.77	0.01052	0.01011	1.1025	0.0994	0.01711	0.01638	1.0761	0.0747	4.92971	0.0607
38	9	2	1027.09	0.05242	0.05715	0.8763	0.1199	1.23480	1.39307	0.8142	0.1679	4.90066	1.6701
39	9	2	160.41	0.02018	0.01965	1.0850	0.0832	0.03293	0.03178	1.0757	0.0750	4.89670	0.1133
40	9	2	126.72	0.00141	0.00135	1.1151	0.1111	0.01343	0.01287	1.1009	0.0980	4.91282	0.0185
41	9	2	119.00	0.00191	0.00182	1.1118	0.1080	0.03065	0.02966	1.0989	0.0960	4.92048	0.0386
42	9	2	175.99	0.02160	0.02082	1.0777	0.0761	0.04529	0.04385	1.0725	0.0709	4.92403	0.1337
43	9	2	382.65	0.02598	0.02600	1.0232	0.0247	0.06229	0.06285	1.0051	0.0076	4.93274	0.1710
44	9	2	220.07	0.00381	0.00365	1.0985	0.0958	0.00564	0.00540	1.0811	0.0793	4.90222	0.0201
45	9	2	153.33	0.00878	0.00841	1.1224	0.1178	0.01963	0.01853	1.0965	0.0949	4.93648	0.0492
46	9	2	295.69	0.03191	0.03164	1.0399	0.0408	0.05260	0.05417	1.0537	0.0576	4.85355	0.1702

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	RMSE without deleted level	Restricted Likelihood Distance
47	9	3	909.43	0.06474	0.07033	0.8458	0.1562	0.38604	0.47712	0.8270	0.1666	4.91454	0.7505
48	9	2	78.34	0.00407	0.00389	1.1208	0.1163	0.03425	0.03303	1.1145	0.1106	4.92483	0.0497
49	9	2	75.36	0.00013	0.00012	1.1281	0.1230	0.03008	0.02890	1.1119	0.1084	4.92591	0.0299
50	9	2	115.17	0.00689	0.00659	1.1169	0.1127	0.02772	0.02672	1.1012	0.0983	4.92745	0.0547
51	9	2	88.23	0.00386	0.00369	1.1179	0.1136	0.04767	0.04596	1.1048	0.1015	4.92931	0.0630
52	9	2	89.99	0.00509	0.00487	1.1179	0.1136	0.05195	0.04992	1.1036	0.1005	4.93493	0.0719
53	9	2	353.87	0.01771	0.01718	1.0609	0.0602	0.13560	0.13861	1.0118	0.0130	4.89041	0.2247
54	9	2	191.43	0.01562	0.01514	1.0731	0.0718	0.03345	0.03240	1.0558	0.0550	4.92364	0.0930
55	9	2	373.55	0.03725	0.03706	1.0031	0.0050	0.10018	0.10175	0.9960	0.0008	4.93105	0.2590
56	9	2	347.74	0.03143	0.03117	1.0262	0.0277	0.06769	0.06782	1.0089	0.0116	4.93525	0.1980
57	9	2	143.99	0.00666	0.00638	1.1153	0.1112	0.01535	0.01474	1.0955	0.0931	4.92656	0.0405
58	9	2	99.02	0.00986	0.00945	1.1095	0.1059	0.05094	0.04920	1.1004	0.0973	4.92628	0.0905
59	9	2	44.05	0.00269	0.00256	1.1346	0.1289	0.05563	0.05326	1.1190	0.1151	4.93650	0.0653
60	9	2	70.70	0.00397	0.00378	1.1341	0.1285	0.03334	0.03188	1.1145	0.1110	4.93229	0.0481

Model = no random effects model with ω_i = TOEP

Subject	Number of Observations in Level	Iterations	Influence Diagnostics for Levels of Subject										RMSE without deleted level	Restricted Likelihood Distance
			PRESS Statistic	Cook's D	MDFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFITS CovParms	COVRATIO CovParms	COVTRACE CovParms			
1	9	2	329.54	0.02807	0.02788	1.0521	0.0525	0.54366	0.60971	0.8819	0.0869	5.34704	0.7438	
2	9	5	577.56	0.00829	0.00810	1.0965	0.0943	3.41162	4.96865	0.3592	0.7545	5.30511	4.8115	
3	9	2	285.32	0.01002	0.00962	1.1089	0.1053	0.08796	0.08892	1.0434	0.0465	5.35324	0.1255	
4	9	2	153.78	0.00513	0.00493	1.1155	0.1115	0.04670	0.04521	1.2820	0.2543	5.37648	0.0711	
5	9	1	132.04	0.00433	0.00413	1.1307	0.1254	0.02127	0.02049	1.2809	0.2520	5.38043	0.0342	
6	9	2	210.68	0.01756	0.01702	1.0838	0.0821	0.03855	0.03762	1.2163	0.1999	5.36154	0.0922	
7	9	2	783.75	0.05683	0.05949	0.8762	0.1269	0.34093	0.38196	0.7243	0.2948	5.25891	0.6136	
8	9	2	291.91	0.02327	0.02284	1.0729	0.0724	0.04897	0.04707	1.3935	0.3414	5.35449	0.1315	
9	9	2	150.01	0.00501	0.00480	1.1157	0.1116	0.04627	0.04428	1.3453	0.3032	5.37197	0.0607	
10	9	2	439.17	0.04641	0.04641	0.9752	0.0233	0.11641	0.12255	0.8273	0.1794	5.31729	0.2960	
11	9	2	417.35	0.02679	0.02640	1.0095	0.0103	0.13179	0.13896	0.9716	0.0204	5.32592	0.2376	
12	9	1	316.85	0.01468	0.01437	1.0494	0.0492	0.02424	0.02357	1.2026	0.1881	5.34867	0.0831	
13	9	1	70.70	0.00381	0.00365	1.1280	0.1229	0.03704	0.03523	1.4761	0.4038	5.38868	0.0569	
14	9	1	135.56	0.01155	0.01106	1.1150	0.1110	0.03950	0.03762	1.3500	0.3067	5.38168	0.0802	
15	9	1	115.95	0.00101	0.00097	1.1417	0.1353	0.02723	0.02583	1.3114	0.2769	5.38316	0.0306	

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	RMSE without deleted level	Restricted Likelihood Distance
16	9	1	68.77	0.00717	0.00687	1.1245	0.1197	0.04899	0.04672	1.4559	0.3839	5.39128	0.0753
17	9	2	290.68	0.02671	0.02603	1.0630	0.0623	0.14400	0.14539	1.1177	0.1232	5.34499	0.2276
18	9	2	363.58	0.03189	0.03183	1.0372	0.0385	0.22092	0.22921	0.9651	0.0217	5.33207	0.3272
19	9	2	542.14	0.00764	0.00743	1.0932	0.0907	0.58123	0.65343	0.7355	0.2751	5.31228	0.6799
20	9	2	331.78	0.04184	0.04233	0.9831	0.0146	0.35718	0.38472	0.8307	0.1716	5.33002	0.5686
21	9	1	94.57	0.01554	0.01514	1.0859	0.0841	0.04885	0.04617	1.4608	0.3889	5.38379	0.1104
22	9	2	67.51	0.00065	0.00062	1.1373	0.1313	0.03698	0.03536	1.3640	0.3170	5.39015	0.0406
23	9	2	294.67	0.01642	0.01600	1.0820	0.0805	0.07046	0.07198	1.0572	0.0606	5.34692	0.1369
24	9	1	111.10	0.00133	0.00126	1.1344	0.1287	0.03792	0.03627	1.3949	0.3395	5.38487	0.0419
25	9	2	720.31	0.08584	0.08884	0.8379	0.1713	0.33809	0.38039	0.9005	0.0813	5.26014	0.7120
26	9	2	262.76	0.01623	0.01582	1.0458	0.0456	0.10701	0.10982	1.0478	0.0557	5.35101	0.1544
27	9	2	84.11	0.01982	0.01929	1.0897	0.0877	0.06656	0.06293	1.3578	0.3140	5.38553	0.1328
28	9	2	333.34	0.01049	0.01010	1.1067	0.1033	0.13685	0.14679	0.9818	0.0092	5.34650	0.2112
29	9	1	110.50	0.00697	0.00665	1.1300	0.1247	0.02857	0.02732	1.3817	0.3299	5.38425	0.0531
30	9	1	158.78	0.00985	0.00952	1.0996	0.0968	0.03475	0.03325	1.3915	0.3371	5.37482	0.0716
31	9	2	264.14	0.03737	0.03697	1.0336	0.0344	0.09138	0.09304	1.1361	0.1344	5.34820	0.2272

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	RMSE without deleted level	Restricted Likelihood Distance
32	9	1	86.98	0.00486	0.00465	1.1148	0.1108	0.04676	0.04464	1.4625	0.3888	5.38646	0.0645
33	9	1	140.60	0.00168	0.00161	1.1277	0.1226	0.02544	0.02434	1.3148	0.2785	5.37993	0.0344
34	9	2	280.44	0.01297	0.01258	1.0873	0.0853	0.08427	0.08807	1.1050	0.1090	5.35249	0.1630
35	9	2	354.55	0.02637	0.02612	1.0423	0.0430	0.11295	0.11688	0.9355	0.0604	5.33420	0.2351
36	9	2	371.22	0.03337	0.03340	1.0275	0.0290	0.12816	0.13210	0.8961	0.1041	5.32900	0.2526
37	9	1	167.50	0.01783	0.01727	1.0640	0.0631	0.02675	0.02556	1.2564	0.2329	5.36854	0.0923
38	9	3	1047.09	0.06878	0.07469	0.8489	0.1524	3.25046	4.81037	0.2977	0.8796	5.19164	4.9856
39	9	2	177.21	0.02246	0.02231	1.0382	0.0390	0.05909	0.05787	1.3573	0.3139	5.36727	0.1626
40	9	1	124.04	0.00219	0.00209	1.1401	0.1339	0.02445	0.02336	1.3036	0.2704	5.38167	0.0336
41	9	1	107.34	0.00308	0.00294	1.1312	0.1258	0.03926	0.03749	1.4348	0.3689	5.38484	0.0467
42	9	1	181.34	0.02852	0.02772	1.0550	0.0545	0.05436	0.05150	1.3904	0.3371	5.36944	0.1642
43	9	2	370.12	0.02764	0.02773	1.0251	0.0269	0.07234	0.07306	1.2484	0.2289	5.33918	0.1848
44	9	2	206.35	0.00506	0.00486	1.1107	0.1071	0.05166	0.04993	1.2807	0.2550	5.36778	0.0650
45	9	2	141.61	0.00908	0.00871	1.1115	0.1078	0.03662	0.03495	1.2795	0.2518	5.37648	0.0696
46	9	2	317.43	0.02494	0.02474	1.0400	0.0409	0.09613	0.09771	1.0545	0.0615	5.34677	0.1917
47	9	2	880.23	0.06665	0.07267	0.8239	0.1811	0.43497	0.54241	0.9924	0.0246	5.24685	0.8269

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	RMSE without deleted level	Restricted Likelihood Distance
48	9	2	86.98	0.00884	0.00844	1.1373	0.1313	0.07669	0.07339	1.3124	0.2818	5.38814	0.0934
49	9	1	75.94	0.00005	0.00004	1.1460	0.1392	0.04174	0.03980	1.4207	0.3586	5.39055	0.0414
50	9	1	117.17	0.00648	0.00620	1.1155	0.1114	0.03053	0.02932	1.4128	0.3525	5.38311	0.0577
51	9	1	87.19	0.00536	0.00511	1.1262	0.1213	0.04956	0.04735	1.4798	0.4007	5.38864	0.0686
52	9	1	85.82	0.00740	0.00706	1.1263	0.1213	0.05354	0.05103	1.5026	0.4168	5.38925	0.0775
53	9	3	366.54	0.09701	0.09133	1.1510	0.1446	1.32793	1.87251	0.5359	0.5009	5.35588	1.9073
54	9	1	211.05	0.02648	0.02584	1.0339	0.0341	0.04967	0.04737	1.2680	0.2437	5.36073	0.1370
55	9	2	370.34	0.04202	0.04157	0.9962	0.0023	0.09588	0.09620	1.2981	0.2707	5.33574	0.2659
56	9	2	341.42	0.03440	0.03393	1.0240	0.0253	0.07229	0.07141	1.2931	0.2657	5.34349	0.2110
57	9	1	139.57	0.00821	0.00785	1.1250	0.1201	0.02285	0.02175	1.4073	0.3501	5.38120	0.0497
58	9	1	106.24	0.01497	0.01446	1.0950	0.0925	0.05383	0.05111	1.3977	0.3425	5.38369	0.1100
59	9	1	48.37	0.00448	0.00427	1.1358	0.1300	0.05650	0.05387	1.4822	0.4025	5.39491	0.0715
60	9	1	76.43	0.00499	0.00478	1.1218	0.1172	0.03711	0.03545	1.4423	0.3742	5.38887	0.0592

Model = no random effects model with $\omega_i = VC$ (OLS model)

Influence Diagnostics for Levels of Subject								
Subject	Number of Observations in Level	PRESS Statistic	Cook's D	MDFITS	COVRATIO	COVTRACE	RMSE without deleted level	Restricted Likelihood Distance
1	9	333.24	0.03113	0.03025	1.0477	0.0474	5.27522	0.1327
2	9	579.36	0.00083	0.00082	0.9782	0.0214	5.23015	0.1396
3	9	299.35	0.01861	0.01804	1.0570	0.0564	5.28106	0.0772
4	9	161.38	0.02177	0.02092	1.0974	0.0946	5.30585	0.0971
5	9	129.40	0.00862	0.00827	1.1064	0.1030	5.31130	0.0528
6	9	229.30	0.02340	0.02258	1.0775	0.0759	5.29372	0.0942
7	9	815.02	0.19068	0.19136	0.9213	0.0806	5.19111	1.1724
8	9	274.46	0.06797	0.06577	1.0658	0.0648	5.28652	0.2724
9	9	159.67	0.00895	0.00859	1.0974	0.0947	5.30590	0.0462
10	9	473.87	0.07667	0.07521	1.0095	0.0100	5.25078	0.3685
11	9	396.45	0.06963	0.06794	1.0310	0.0312	5.26461	0.3045
12	9	297.49	0.05394	0.05228	1.0587	0.0580	5.28210	0.2183
13	9	67.33	0.00339	0.00324	1.1248	0.1200	5.32227	0.0548
14	9	121.15	0.02447	0.02344	1.1094	0.1058	5.31309	0.1187
15	9	117.37	0.00089	0.00085	1.1097	0.1061	5.31330	0.0256

Influence Diagnostics for Levels of Subject								
Subject	Number of Observations in Level	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	RMSE without deleted level	Restricted Likelihood Distance
16	9	55.00	0.00770	0.00735	1.1287	0.1235	5.32456	0.0777
17	9	301.85	0.02707	0.02626	1.0566	0.0560	5.28078	0.1114
18	9	365.27	0.01818	0.01770	1.0382	0.0382	5.26919	0.0887
19	9	555.27	0.03203	0.03161	0.9857	0.0138	5.23515	0.2448
20	9	339.77	0.03934	0.03825	1.0461	0.0459	5.27421	0.1670
21	9	78.39	0.01346	0.01286	1.1218	0.1172	5.32050	0.0903
22	9	61.62	0.00203	0.00193	1.1265	0.1215	5.32326	0.0519
23	9	309.98	0.01586	0.01539	1.0539	0.0534	5.27909	0.0676
24	9	102.79	0.00353	0.00337	1.1142	0.1102	5.31595	0.0411
25	9	743.86	0.18358	0.18333	0.9397	0.0612	5.20395	1.0449
26	9	281.12	0.04791	0.04639	1.0632	0.0623	5.28492	0.1927
27	9	64.89	0.01661	0.01585	1.1260	0.1211	5.32297	0.1088
28	9	349.23	0.01781	0.01733	1.0427	0.0426	5.27207	0.0830
29	9	104.08	0.00720	0.00689	1.1139	0.1100	5.31580	0.0554
30	9	144.39	0.02869	0.02753	1.1026	0.0995	5.30903	0.1288
31	9	273.10	0.03041	0.02944	1.0650	0.0640	5.28601	0.1222
32	9	97.14	0.01667	0.01594	1.1163	0.1122	5.31722	0.0958

Influence Diagnostics for Levels of Subject								
Subject	Number of Observations in Level	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	RMSE without deleted level	Restricted Likelihood Distance
33	9	131.05	0.00375	0.00359	1.1058	0.1024	5.31091	0.0328
34	9	300.84	0.02454	0.02379	1.0568	0.0562	5.28091	0.1011
35	9	375.41	0.02757	0.02687	1.0356	0.0357	5.26756	0.1293
36	9	389.62	0.02585	0.02522	1.0315	0.0317	5.26496	0.1271
37	9	180.17	0.03951	0.03799	1.0924	0.0899	5.30284	0.1643
38	9	1084.47	0.20795	0.21270	0.8538	0.1544	5.14198	1.7509
39	9	152.88	0.02871	0.02756	1.1001	0.0971	5.30751	0.1268
40	9	128.12	0.00167	0.00160	1.1066	0.1031	5.31139	0.0253
41	9	104.62	0.00735	0.00704	1.1138	0.1098	5.31570	0.0558
42	9	153.07	0.04419	0.04242	1.1006	0.0976	5.30778	0.1886
43	9	343.95	0.08674	0.08432	1.0464	0.0462	5.27441	0.3574
44	9	200.91	0.01653	0.01593	1.0855	0.0835	5.29867	0.0693
45	9	130.62	0.01950	0.01870	1.1064	0.1030	5.31130	0.0959
46	9	318.00	0.05332	0.05176	1.0528	0.0523	5.27840	0.2187
47	9	843.19	0.22852	0.22971	0.9151	0.0872	5.18673	1.3664
48	9	82.31	0.01026	0.00981	1.1206	0.1161	5.31974	0.0759
49	9	76.45	0.00043	0.00041	1.1220	0.1174	5.32059	0.0390

Influence Diagnostics for Levels of Subject								
Subject	Number of Observations in Level	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	RMSE without deleted level	Restricted Likelihood Distance
50	9	100.82	0.01493	0.01429	1.1152	0.1111	5.31653	0.0875
51	9	74.70	0.00953	0.00910	1.1228	0.1181	5.32108	0.0762
52	9	72.93	0.01277	0.01219	1.1235	0.1187	5.32146	0.0899
53	9	378.36	0.03530	0.03441	1.0350	0.0351	5.26718	0.1611
54	9	225.64	0.05654	0.05454	1.0796	0.0779	5.29504	0.2270
55	9	341.44	0.10149	0.09863	1.0476	0.0474	5.27516	0.4157
56	9	314.37	0.08690	0.08430	1.0549	0.0544	5.27973	0.3523
57	9	126.18	0.01340	0.01285	1.1075	0.1040	5.31197	0.0728
58	9	85.92	0.02000	0.01911	1.1198	0.1154	5.31929	0.1134
59	9	37.73	0.00433	0.00413	1.1338	0.1282	5.32757	0.0727
60	9	64.17	0.00610	0.00582	1.1259	0.1209	5.32289	0.0671

Models under Quadratic Mean Model

Model = no random effects model with $\omega_j = \text{UN}$

Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	Influence Diagnostics for Levels of Subject								Restricted Likelihood Distance
					MDFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFITS CovParms	COVRATIO CovParms	COVTRACE CovParms		
1	9	4	0.72946	0.12688	0.20354	0.4768	0.5329	8.20443	35.1232	0.0050	2.9313	22.959	
2	9	5	1.33420	0.01270	0.01324	1.1811	0.1728	6.01408	19.1677	0.0216	2.2050	13.122	
3	9	3	0.47494	0.01155	0.01207	1.2186	0.2040	0.61899	0.7907	1.8341	0.7513	0.858	
4	9	3	0.83411	0.00754	0.00756	1.2297	0.2125	0.59561	0.7571	1.7860	0.7141	0.816	
5	9	3	0.39289	0.02320	0.02462	1.0946	0.1015	0.44034	0.5271	2.4129	0.9790	0.734	
6	9	3	0.45595	0.00989	0.01069	1.1409	0.1404	1.32528	2.0542	0.7130	0.0285	1.986	
7	9	3	1.79581	0.04272	0.04452	1.1304	0.1307	1.83256	2.9807	0.6503	0.0436	2.815	
8	9	3	1.34030	0.07659	0.09052	0.8849	0.0828	1.86727	3.1092	0.5989	0.1038	3.171	
9	9	3	0.31347	0.02004	0.02120	1.1552	0.1533	0.55812	0.6906	2.1618	0.8919	0.830	
10	9	3	0.77651	0.05914	0.07467	0.7698	0.1989	1.77393	2.9814	0.5169	0.2718	3.179	
11	9	4	1.42036	0.01483	0.01516	1.1990	0.1876	0.90260	1.2369	1.3310	0.4786	1.271	
12	9	3	0.83394	0.01415	0.01453	1.1671	0.1615	0.27724	0.3099	3.1060	1.2034	0.463	
13	9	3	0.31906	0.00269	0.00271	1.2578	0.2347	0.46659	0.5736	2.0460	0.8332	0.624	

Influence Diagnostics for Levels of Subject												
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	Restricted Likelihood Distance
14	9	3	0.35362	0.00631	0.00621	1.2666	0.2416	0.36619	0.4256	2.6865	1.0777	0.486
15	9	2	0.11980	0.00893	0.00879	1.2860	0.2574	0.12909	0.1269	6.2783	1.8956	0.189
16	9	2	0.20377	0.00370	0.00359	1.3251	0.2873	0.11113	0.1093	5.9441	1.8340	0.139
17	9	3	0.42780	0.01319	0.01301	1.2709	0.2451	0.47502	0.5636	2.8046	1.1384	0.619
18	9	3	0.51469	0.01172	0.01155	1.2697	0.2442	0.53028	0.6450	2.4301	1.0044	0.691
19	9	3	0.79715	0.11781	0.13215	0.9794	0.0036	1.91064	3.0955	0.9245	0.3799	3.118
20	9	4	0.54684	0.00558	0.00600	1.1475	0.1458	1.30024	2.0174	0.6949	0.0507	1.943
21	9	3	0.43214	0.00990	0.01006	1.1926	0.1824	0.29873	0.3403	2.8462	1.1216	0.468
22	9	3	0.28651	0.02825	0.02939	1.1317	0.1347	0.60854	0.7541	2.2254	0.9359	0.919
23	9	2	0.26774	0.01164	0.01151	1.2564	0.2336	0.19297	0.2014	4.5933	1.5852	0.286
24	9	2	0.06912	0.00994	0.00992	1.2362	0.2175	0.09832	0.0967	5.6093	1.7714	0.196
25	9	3	1.69613	0.06527	0.07461	0.9576	0.0177	1.67271	2.6777	0.7370	0.0555	2.742
26	9	4	0.91803	0.03684	0.03778	1.1757	0.1690	2.83480	5.5142	0.2835	0.6422	4.680
27	9	3	0.62826	0.02727	0.02921	1.0935	0.1012	0.49533	0.6019	2.3951	0.9829	0.806
28	9	3	0.43545	0.02286	0.02373	1.1504	0.1481	0.41775	0.4915	2.8558	1.1468	0.653
29	9	2	0.10354	0.00733	0.00715	1.3040	0.2709	0.08959	0.0853	7.6744	2.0934	0.132
30	9	2	0.25787	0.00695	0.00678	1.2897	0.2598	0.07734	0.0738	7.0192	1.9975	0.130

Influence Diagnostics for Levels of Subject												
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	Restricted Likelihood Distance
31	9	2	0.25794	0.01258	0.01253	1.2404	0.2209	0.12315	0.1224	5.6309	1.7808	0.219
32	9	3	0.50645	0.01654	0.01732	1.1172	0.1199	0.40291	0.4787	2.3265	0.9366	0.666
33	9	2	0.20423	0.00712	0.00713	1.2264	0.2097	0.18380	0.1964	3.6848	1.3603	0.301
34	9	3	0.42532	0.02052	0.02055	1.2269	0.2101	0.59890	0.7384	2.4326	1.0169	0.820
35	9	2	0.34359	0.01850	0.01882	1.1917	0.1818	0.20215	0.2140	4.4088	1.5469	0.350
36	9	3	0.61311	0.01711	0.01764	1.1534	0.1501	0.48396	0.5870	2.2528	0.9176	0.736
37	9	2	0.64221	0.01806	0.01792	1.2537	0.2317	0.18905	0.1920	5.6871	1.8071	0.281
38	9	4	1.82229	0.04510	0.04733	1.0685	0.0830	2.97964	5.9500	0.2373	0.7559	5.109
39	9	3	0.48644	0.01926	0.02062	1.0717	0.0814	0.66031	0.8587	1.5735	0.5950	1.054
40	9	2	0.06737	0.00618	0.00603	1.3069	0.2734	0.08391	0.0798	7.6700	2.0909	0.124
41	9	2	0.33086	0.01195	0.01187	1.2479	0.2267	0.16926	0.1739	4.8486	1.6360	0.265
42	9	4	0.99377	0.05597	0.06254	0.9904	0.0122	1.03503	1.4509	1.4107	0.5661	1.674
43	9	2	0.99998	0.02311	0.02383	1.1527	0.1496	0.22184	0.2384	4.1661	1.4919	0.407
44	9	3	0.56124	0.00784	0.00801	1.2486	0.2283	0.78549	1.0503	1.4540	0.5453	1.059
45	9	2	0.23715	0.01869	0.01880	1.2138	0.1996	0.24669	0.2643	4.1408	1.4912	0.383
46	9	3	0.83993	0.04601	0.05560	0.8315	0.1369	2.42226	4.5139	0.2776	0.7436	4.294
47	9	4	4.35508	0.06610	0.08772	0.6980	0.2726	2.64598	5.1632	0.2323	0.8589	4.959

Influence Diagnostics for Levels of Subject												
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	Restricted Likelihood Distance
48	9	3	0.41239	0.02645	0.02793	1.2031	0.1924	0.55927	0.6846	2.6117	1.0916	0.786
49	9	2	0.10310	0.00080	0.00078	1.3504	0.3067	0.08082	0.0776	6.4887	1.9186	0.088
50	9	2	0.17022	0.00649	0.00636	1.3023	0.2699	0.08675	0.0826	7.3942	2.0544	0.130
51	9	2	0.13184	0.01174	0.01171	1.2541	0.2317	0.13580	0.1359	5.6130	1.7806	0.222
52	9	3	0.32026	0.02569	0.02631	1.1839	0.1752	0.40526	0.4657	3.3247	1.2998	0.603
53	9	4	0.89540	0.00470	0.00472	1.2530	0.2312	3.01338	6.2205	0.1751	1.0200	5.001
54	9	3	0.84450	0.02306	0.02413	1.1203	0.1227	0.30430	0.3430	3.1819	1.2324	0.537
55	9	3	1.10135	0.03108	0.03297	1.0897	0.0967	0.33487	0.3832	3.2597	1.2646	0.603
56	9	4	1.06885	0.03282	0.03549	1.0546	0.0668	0.97270	1.3532	1.2130	0.4006	1.515
57	9	4	0.30398	0.04138	0.04784	0.9194	0.0547	0.99383	1.4064	1.1450	0.3439	1.697
58	9	3	0.30552	0.02595	0.02797	1.0662	0.0768	0.52286	0.6518	2.1652	0.8933	0.874
59	9	2	0.13187	0.00471	0.00459	1.2968	0.2654	0.08937	0.0869	5.9626	1.8327	0.138
60	9	2	0.15444	0.00803	0.00788	1.2753	0.2484	0.20007	0.2114	4.2239	1.5013	0.279

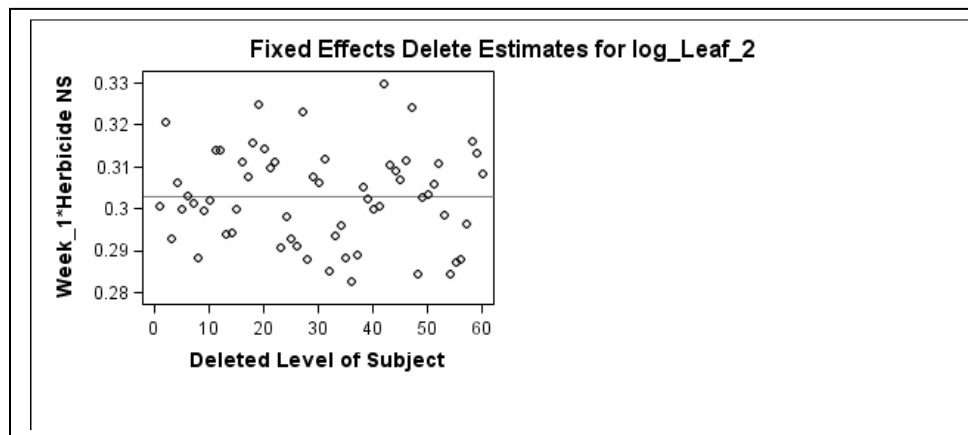
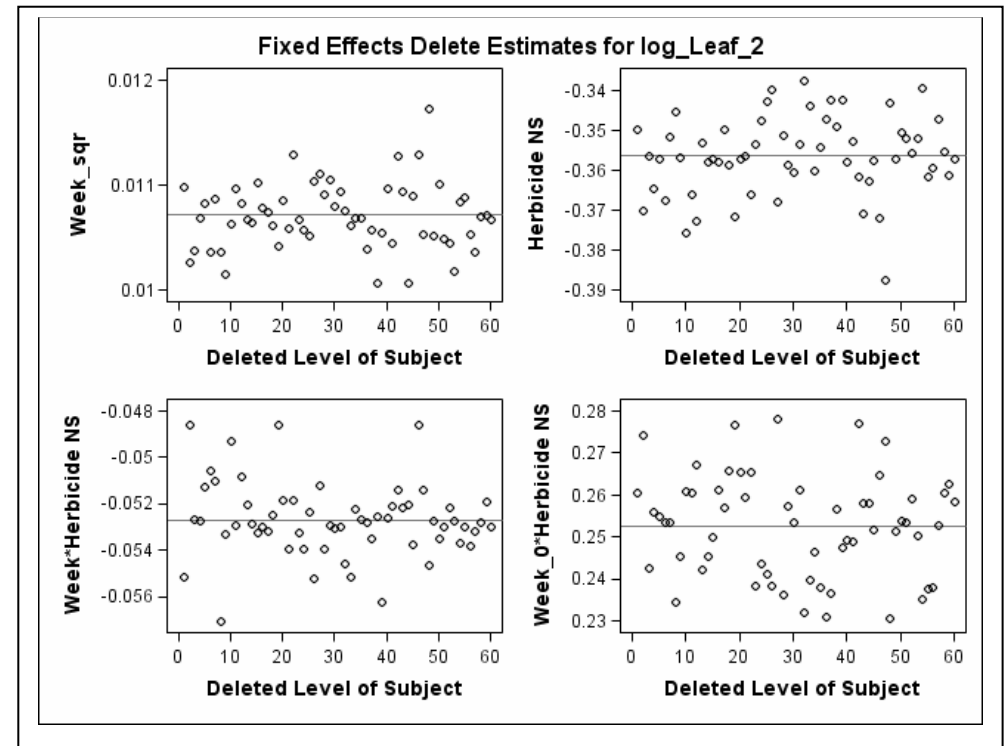
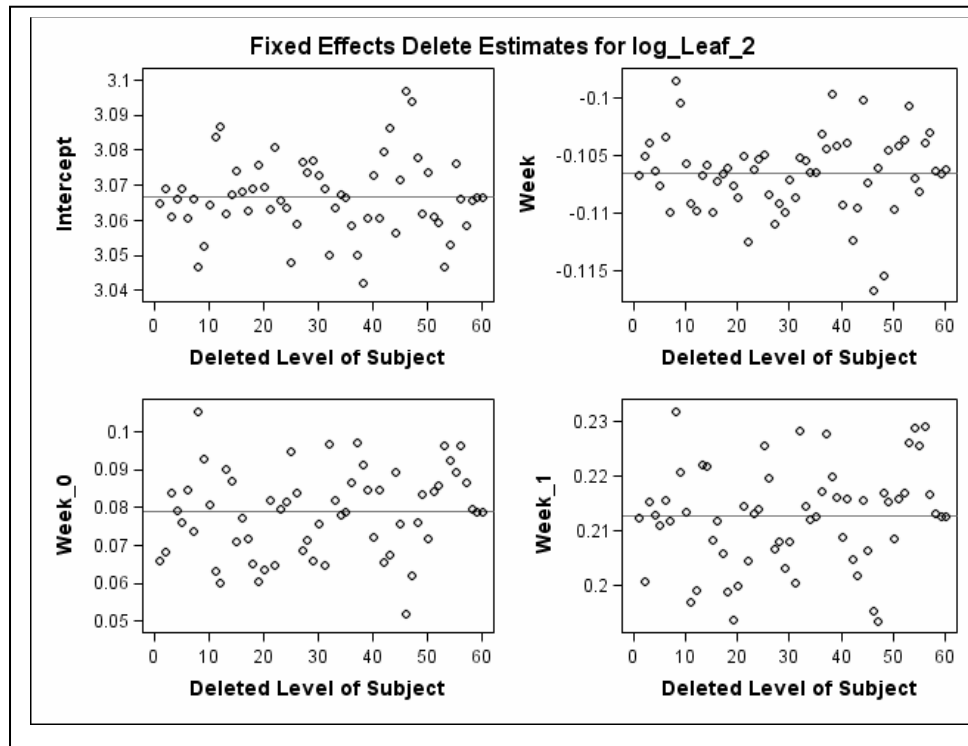


Fig. B2.1: Estimates of fixed parameters obtained after the removal of each data point for the quadratic model with no random effects and $\omega_i = \text{UN}$.

Model = random effects model with $\omega_i = \text{ARH}(1)$ and $\Sigma = \text{UN}$

Influence Diagnostics for Levels of Subject												
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	Restricted Likelihood Distance
1	9	4	0.75959	0.05827	0.07030	0.5980	0.4413	1.72381	2.16243	0.3714	0.5160	2.8270
2	9	5	1.33181	0.02743	0.02799	1.0439	0.0709	4.21693	5.70118	0.5762	0.1757	5.8003
3	9	2	0.46525	0.01399	0.01352	1.2450	0.2249	0.14629	0.14435	1.2255	0.2327	0.2677
4	9	2	0.81973	0.00634	0.00618	1.2549	0.2317	0.06522	0.06313	1.5123	0.4252	0.1246
5	9	2	0.40211	0.01534	0.01512	1.1797	0.1700	0.08039	0.07798	1.3310	0.3015	0.2321
6	9	3	0.44565	0.00832	0.00818	1.2559	0.2340	0.53281	0.59750	1.2078	0.2396	0.7014
7	9	2	1.74282	0.01958	0.02001	1.0860	0.0904	0.39735	0.42820	0.9830	0.0200	0.6235
8	9	2	1.35959	0.03405	0.03450	1.0435	0.0488	0.26807	0.29216	1.1302	0.1461	0.5933
9	9	2	0.28664	0.00966	0.00945	1.2385	0.2183	0.06737	0.06270	1.4421	0.3779	0.1565
10	9	3	0.74621	0.03208	0.03375	0.9620	0.0273	0.34024	0.40089	1.0308	0.0741	0.6951
11	9	3	1.44231	0.02308	0.02279	1.1351	0.1313	0.46453	0.49906	1.2697	0.2816	0.7351
12	9	2	0.83900	0.01119	0.01119	1.2057	0.1936	0.13160	0.13263	1.1888	0.1923	0.2595
13	9	3	0.32530	0.01360	0.01318	1.2570	0.2334	0.25954	0.29164	1.2314	0.2388	0.3967
14	9	2	0.35692	0.00967	0.00933	1.2521	0.2294	0.04472	0.04340	1.5253	0.4351	0.1323
15	9	2	0.11968	0.00343	0.00330	1.3301	0.2911	0.05343	0.05080	1.7718	0.5862	0.0827
16	9	2	0.20562	0.00875	0.00844	1.2678	0.2419	0.05153	0.04921	1.6150	0.4922	0.1307

Influence Diagnostics for Levels of Subject												
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	Restricted Likelihood Distance
17	9	2	0.41862	0.00873	0.00849	1.2831	0.2546	0.16329	0.16974	1.6128	0.5011	0.2511
18	9	3	0.51145	0.02032	0.01982	1.1851	0.1735	0.25761	0.29072	1.1427	0.1531	0.4774
19	9	3	0.74493	0.03889	0.03797	1.1162	0.1180	0.25140	0.25627	0.8602	0.0666	0.5523
20	9	3	0.57279	0.01415	0.01375	1.2388	0.2190	0.49056	0.58096	1.1594	0.1887	0.6744
21	9	2	0.42998	0.01204	0.01185	1.2014	0.1884	0.06511	0.06166	1.5849	0.4793	0.1742
22	9	2	0.28893	0.01356	0.01318	1.2306	0.2114	0.05724	0.05585	1.3097	0.2831	0.1718
23	9	2	0.26262	0.01445	0.01405	1.2274	0.2094	0.04907	0.04703	1.3311	0.2931	0.1726
24	9	2	0.07490	0.00558	0.00538	1.2982	0.2662	0.05920	0.05668	1.5484	0.4489	0.1066
25	9	3	1.61049	0.02707	0.02812	1.0894	0.0974	0.30857	0.33991	1.2079	0.2400	0.6113
26	9	4	0.88142	0.01243	0.01251	1.2575	0.2401	1.23005	1.50380	0.8873	0.0147	1.5945
27	9	3	0.62628	0.03866	0.03969	0.9758	0.0163	0.34827	0.37641	0.5332	0.5502	0.7759
28	9	2	0.43045	0.02153	0.02117	1.1904	0.1795	0.15698	0.16557	1.2938	0.2761	0.3614
29	9	2	0.11042	0.00446	0.00430	1.3171	0.2811	0.06029	0.05630	1.9069	0.6653	0.0958
30	9	2	0.26776	0.00600	0.00576	1.2973	0.2655	0.05580	0.05230	1.7182	0.5557	0.1050
31	9	2	0.26200	0.01262	0.01226	1.2338	0.2144	0.04679	0.04518	1.6374	0.5065	0.1604
32	9	2	0.51860	0.01857	0.01866	1.1913	0.1845	0.19283	0.19110	0.9524	0.0044	0.3833
33	9	2	0.21355	0.00571	0.00553	1.2808	0.2525	0.05343	0.05129	1.5900	0.4749	0.1044

Influence Diagnostics for Levels of Subject												
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	Restricted Likelihood Distance
34	9	2	0.40569	0.00887	0.00861	1.2168	0.2000	0.13106	0.13520	1.5921	0.4853	0.2178
35	9	2	0.33648	0.02220	0.02173	1.1546	0.1472	0.06269	0.06191	1.3544	0.3124	0.2636
36	9	3	0.62495	0.04239	0.04264	1.0313	0.0356	0.38621	0.42623	0.9511	0.0244	0.7826
37	9	2	0.62302	0.01737	0.01705	1.2011	0.1878	0.10821	0.10791	1.2580	0.2401	0.2427
38	9	3	1.76366	0.01409	0.01420	1.0988	0.1098	0.73840	0.86431	1.4911	0.5589	1.0370
39	9	2	0.49836	0.01430	0.01441	1.1531	0.1513	0.15723	0.14123	1.8200	0.6627	0.2905
40	9	5	0.06691	0.00240	0.00234	1.1646	0.1549	0.00000	0.00000	0.8518	0.1539	0.0216
41	9	2	0.33048	0.00625	0.00604	1.2940	0.2630	0.05310	0.04961	1.6289	0.5015	0.1053
42	9	3	1.00194	0.07004	0.07173	0.7801	0.2374	0.50260	0.58432	0.6615	0.3544	1.2098
43	9	2	1.00519	0.01622	0.01586	1.1967	0.1836	0.06315	0.06095	1.4421	0.3767	0.2072
44	9	2	0.55792	0.00790	0.00767	1.2229	0.2050	0.16848	0.17916	1.2966	0.2783	0.2541
45	9	2	0.25432	0.01239	0.01210	1.2369	0.2180	0.07571	0.06916	1.6724	0.5378	0.1688
46	9	2	0.82892	0.01971	0.01934	1.1780	0.1681	0.07975	0.08013	1.2379	0.2251	0.2467
47	9	4	4.36462	0.06968	0.07838	0.7524	0.2410	1.34945	1.92358	0.3982	0.7815	2.4912
48	9	3	0.42267	0.03482	0.03554	1.0569	0.0618	0.43304	0.50119	0.7877	0.1871	0.7587
49	9	2	0.09482	0.00072	0.00069	1.3587	0.3130	0.05696	0.05352	1.8452	0.6304	0.0617
50	9	5	0.18823	0.00385	0.00373	1.1991	0.1846	0.00348	0.00347	1.0250	0.0285	0.0380

Influence Diagnostics for Levels of Subject												
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	Restricted Likelihood Distance
51	9	2	0.13286	0.00460	0.00441	1.3149	0.2793	0.05638	0.05314	1.8236	0.6172	0.0951
52	9	2	0.31502	0.01029	0.00997	1.2606	0.2361	0.05508	0.05201	1.7296	0.5650	0.1434
53	9	3	0.89513	0.00880	0.00866	1.0879	0.0954	0.87469	0.97320	1.0701	0.1780	1.1099
54	9	2	0.83231	0.03051	0.03010	1.0851	0.0851	0.11975	0.12496	0.9810	0.0045	0.4142
55	9	3	1.09829	0.03610	0.03666	1.0072	0.0140	0.22163	0.24756	1.2008	0.2082	0.5789
56	9	2	1.06282	0.03080	0.03107	1.0677	0.0751	0.29992	0.31610	1.0675	0.1061	0.6129
57	9	3	0.31300	0.02604	0.02695	1.0351	0.0435	0.24491	0.28168	0.8809	0.0374	0.5163
58	9	2	0.31111	0.02677	0.02711	1.0965	0.0994	0.16939	0.17453	1.3445	0.3202	0.4243
59	9	2	0.13036	0.00876	0.00841	1.2836	0.2545	0.03640	0.03473	1.6121	0.4882	0.1149
60	9	2	0.15386	0.00374	0.00358	1.3112	0.2764	0.06722	0.06364	1.8091	0.6124	0.0961

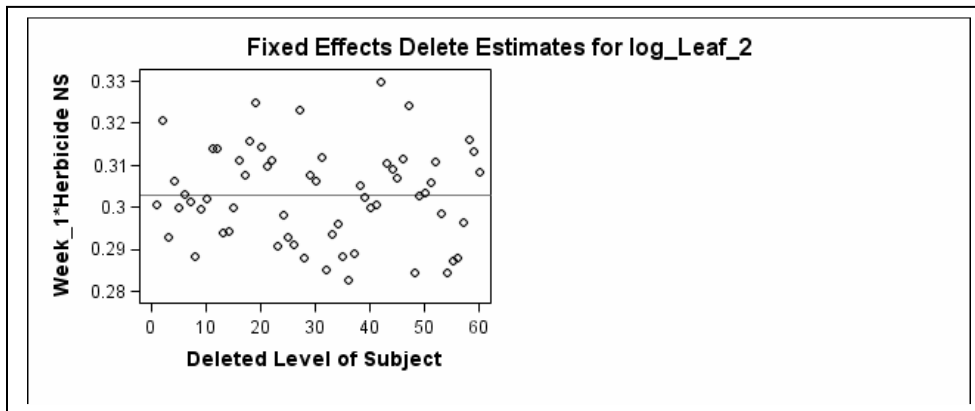
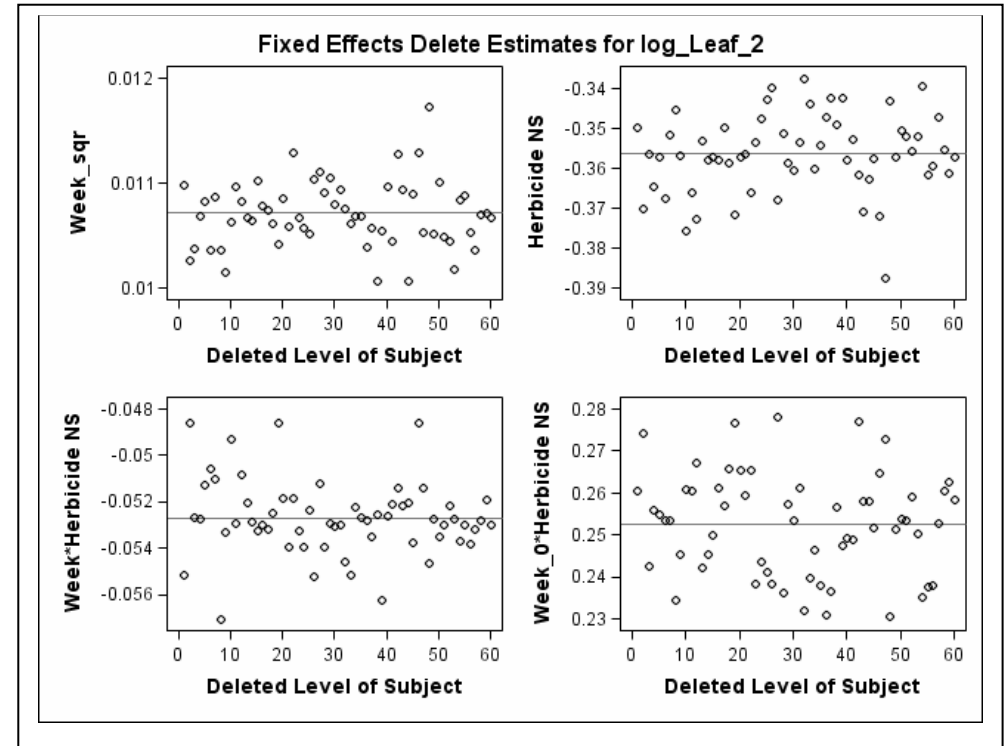
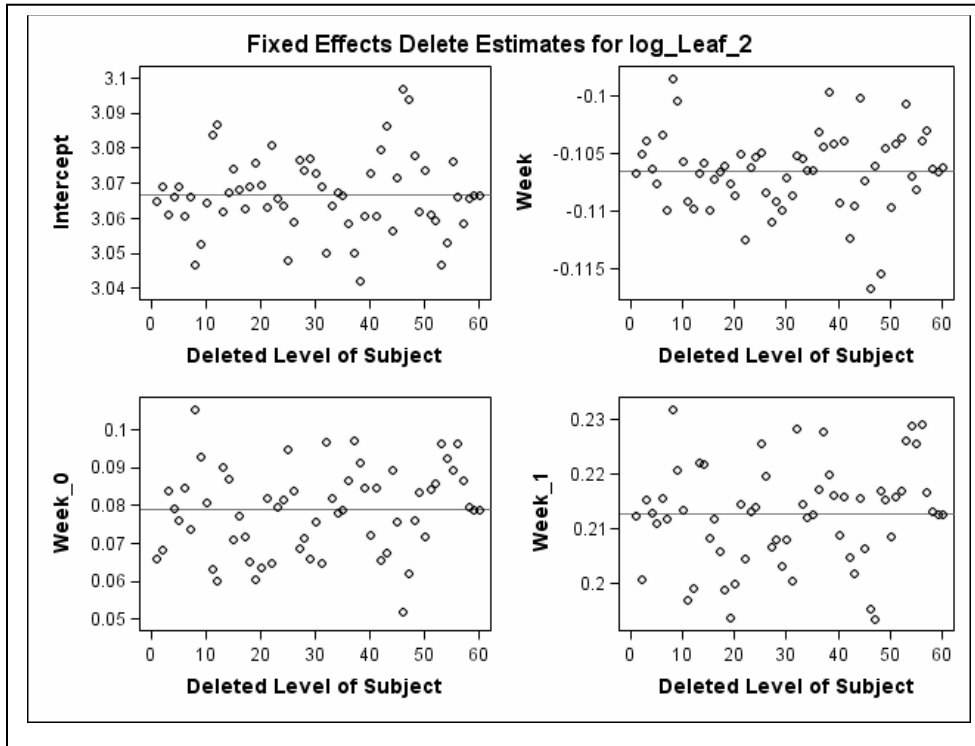


Fig. B2.2: Estimates of fixed parameters obtained after the removal of each data point for the quadratic model with random intercept and slope and $\omega_i = \text{ARH}(1)$ and $\Sigma = \text{UN}$.

Model = random effects model with $\omega_i = \text{AR}(1)$ and $\Sigma = \text{UN}$

Subject	Number of Observations in Level	Iterations	Influence Diagnostics for Levels of Subject										RMSE without deleted level	Restricted Likelihood Distance
			PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms			
1	9	2	0.72411	0.02569	0.02564	1.0346	0.0370	0.16448	0.16682	1.0528	0.0569	0.19893	0.4056	
2	9	2	1.32103	0.03045	0.03108	0.8300	0.1700	2.13010	2.36329	1.0635	0.0713	0.19462	2.6879	
3	9	2	0.44356	0.01041	0.01005	1.2148	0.1981	0.00967	0.00919	1.1728	0.1624	0.19992	0.1030	
4	9	2	0.76312	0.00769	0.00754	1.1808	0.1695	0.02244	0.02167	1.1062	0.1034	0.19942	0.0926	
5	9	2	0.45227	0.01009	0.00984	1.2538	0.2310	0.05187	0.04924	1.1361	0.1319	0.20147	0.1427	
6	9	2	0.44125	0.00931	0.00920	1.1688	0.1595	0.03264	0.03244	1.0947	0.0939	0.20053	0.1188	
7	9	2	1.86351	0.02250	0.02312	1.0042	0.0105	0.24502	0.26752	0.9369	0.0516	0.20023	0.4763	
8	9	2	1.27925	0.03427	0.03442	1.0208	0.0255	0.15289	0.16408	0.9156	0.0774	0.19804	0.5019	
9	9	2	0.27443	0.00688	0.00669	1.2554	0.2317	0.02569	0.02471	1.1760	0.1655	0.19992	0.0859	
10	9	3	0.73742	0.02871	0.03000	1.0498	0.0586	0.28278	0.32331	0.8542	0.1399	0.20033	0.5939	
11	9	2	1.35523	0.03596	0.03546	1.0405	0.0430	0.24729	0.25378	1.0648	0.0685	0.19941	0.6033	
12	9	2	0.77468	0.02546	0.02478	1.1630	0.1539	0.01448	0.01399	1.0928	0.0909	0.19934	0.2426	
13	9	2	0.34524	0.01137	0.01100	1.2070	0.1918	0.02832	0.02772	1.2012	0.1875	0.19975	0.1272	
14	9	2	0.33997	0.00948	0.00914	1.2294	0.2103	0.01240	0.01184	1.1813	0.1701	0.20032	0.0957	

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	RMSE without deleted level	Restricted Likelihood Distance
15	9	2	0.10169	0.00376	0.00361	1.3219	0.2847	0.04507	0.04302	1.2393	0.2200	0.20104	0.0776
16	9	2	0.18941	0.00880	0.00844	1.2700	0.2435	0.02422	0.02301	1.1910	0.1789	0.20094	0.1019
17	9	2	0.43630	0.00926	0.00898	1.1960	0.1823	0.01039	0.00990	1.1560	0.1477	0.19989	0.0942
18	9	2	0.48960	0.02345	0.02301	1.1286	0.1238	0.04305	0.04429	1.1229	0.1205	0.19786	0.2514
19	9	2	0.77511	0.03658	0.03624	1.0805	0.0808	0.09761	0.10562	1.0698	0.0776	0.19662	0.4134
20	9	2	0.56542	0.01601	0.01587	1.1064	0.1047	0.11229	0.11562	1.0614	0.0656	0.20046	0.2650
21	9	2	0.39252	0.01213	0.01199	1.1919	0.1798	0.05536	0.05527	1.0805	0.0805	0.20047	0.1681
22	9	2	0.25868	0.00762	0.00747	1.2510	0.2283	0.02520	0.02421	1.1889	0.1774	0.19951	0.0943
23	9	2	0.26245	0.01473	0.01421	1.2346	0.2146	0.01895	0.01821	1.1622	0.1532	0.19987	0.1499
24	9	2	0.08344	0.00334	0.00320	1.3264	0.2882	0.06117	0.05870	1.2220	0.2051	0.20091	0.0895
25	9	3	1.72924	0.02865	0.02934	1.0344	0.0410	0.18841	0.21381	0.9229	0.0666	0.20036	0.4804
26	9	2	0.95624	0.02414	0.02363	1.0879	0.0867	0.08412	0.08410	1.0756	0.0747	0.19846	0.2996
27	9	2	0.58973	0.03272	0.03243	1.0960	0.0950	0.09447	0.09805	1.0111	0.0202	0.19723	0.4055
28	9	2	0.40943	0.01705	0.01654	1.1984	0.1845	0.01982	0.01914	1.1616	0.1537	0.19892	0.1719
29	9	2	0.08420	0.00446	0.00428	1.3236	0.2860	0.05209	0.04986	1.2350	0.2161	0.20103	0.0907
30	9	2	0.22150	0.00390	0.00374	1.3201	0.2833	0.05619	0.05324	1.2147	0.1994	0.20144	0.0899
31	9	2	0.26692	0.01265	0.01226	1.2471	0.2254	0.04624	0.04452	1.1402	0.1346	0.20102	0.1600

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	RMSE without deleted level	Restricted Likelihood Distance
32	9	2	0.56905	0.01758	0.01732	1.1793	0.1692	0.09912	0.09796	1.1064	0.1113	0.19768	0.2799
33	9	2	0.20488	0.01100	0.01058	1.2583	0.2340	0.02390	0.02302	1.1683	0.1585	0.20041	0.1218
34	9	2	0.40299	0.00859	0.00840	1.1802	0.1689	0.01422	0.01378	1.1184	0.1141	0.19978	0.0921
35	9	2	0.35050	0.02031	0.01980	1.1827	0.1716	0.03954	0.03934	1.0733	0.0731	0.20014	0.2240
36	9	2	0.66466	0.03371	0.03331	1.0836	0.0842	0.07341	0.07808	0.9861	0.0093	0.19946	0.3879
37	9	2	0.69887	0.02278	0.02201	1.2020	0.1875	0.01589	0.01536	1.1210	0.1166	0.20036	0.2185
38	9	2	1.90061	0.02656	0.02715	0.9682	0.0260	0.37551	0.39985	0.9467	0.0389	0.19994	0.6466
39	9	3	0.48484	0.02099	0.02169	1.1068	0.1092	0.17999	0.19711	0.9537	0.0347	0.20129	0.3975
40	9	2	0.05842	0.00287	0.00275	1.3337	0.2938	0.06047	0.05772	1.2356	0.2168	0.20122	0.0847
41	9	2	0.37699	0.00651	0.00632	1.2679	0.2420	0.03791	0.03610	1.1579	0.1500	0.20114	0.0961
42	9	2	1.01757	0.04775	0.04777	0.9972	0.0018	0.19944	0.21460	0.9319	0.0532	0.19595	0.6657
43	9	2	0.91508	0.01623	0.01598	1.2037	0.1902	0.07389	0.07351	1.0684	0.0699	0.20096	0.2228
44	9	2	0.53665	0.01305	0.01281	1.1588	0.1505	0.05948	0.05900	1.1478	0.1409	0.19928	0.1760
45	9	2	0.21094	0.00553	0.00532	1.3015	0.2687	0.03838	0.03603	1.2223	0.2066	0.20143	0.0868
46	9	2	0.85688	0.03429	0.03480	1.0002	0.0054	0.18192	0.19291	0.8836	0.1088	0.19747	0.4983
47	9	4	4.17298	0.06181	0.07134	0.7709	0.2169	1.19080	1.81877	0.5716	0.4595	0.19937	2.2575
48	9	2	0.43938	0.01953	0.01945	1.1589	0.1515	0.08148	0.08580	1.0878	0.0947	0.19736	0.2792

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	RMSE without deleted level	Restricted Likelihood Distance
49	9	2	0.08622	0.00093	0.00089	1.3275	0.2890	0.04643	0.04400	1.2471	0.2269	0.20129	0.0535
50	9	2	0.20005	0.00559	0.00541	1.2931	0.2622	0.05433	0.05196	1.1756	0.1652	0.20113	0.1036
51	9	2	0.15366	0.00463	0.00444	1.3199	0.2831	0.05076	0.04823	1.2237	0.2070	0.20132	0.0908
52	9	2	0.35152	0.01293	0.01244	1.2689	0.2427	0.02248	0.02135	1.2022	0.1886	0.20091	0.1370
53	9	2	0.96181	0.01358	0.01347	1.0347	0.0370	0.16427	0.17197	1.0729	0.0753	0.19673	0.2954
54	9	2	0.91294	0.02431	0.02379	1.1482	0.1415	0.05192	0.05068	1.0490	0.0521	0.19870	0.2823
55	9	3	1.04421	0.03162	0.03199	1.0771	0.0815	0.18171	0.20249	0.9246	0.0672	0.20022	0.4974
56	9	2	1.00632	0.02779	0.02751	1.1025	0.1016	0.07108	0.07535	1.0156	0.0208	0.19997	0.3296
57	9	2	0.35057	0.00863	0.00832	1.2786	0.2505	0.03725	0.03568	1.1812	0.1700	0.20091	0.1137
58	9	2	0.31378	0.01717	0.01659	1.2291	0.2103	0.02562	0.02446	1.1451	0.1393	0.20101	0.1785
59	9	2	0.12424	0.00793	0.00759	1.3027	0.2696	0.03235	0.03091	1.2296	0.2117	0.20084	0.1020
60	9	2	0.14652	0.00270	0.00259	1.2886	0.2584	0.03018	0.02890	1.2086	0.1936	0.20083	0.0537

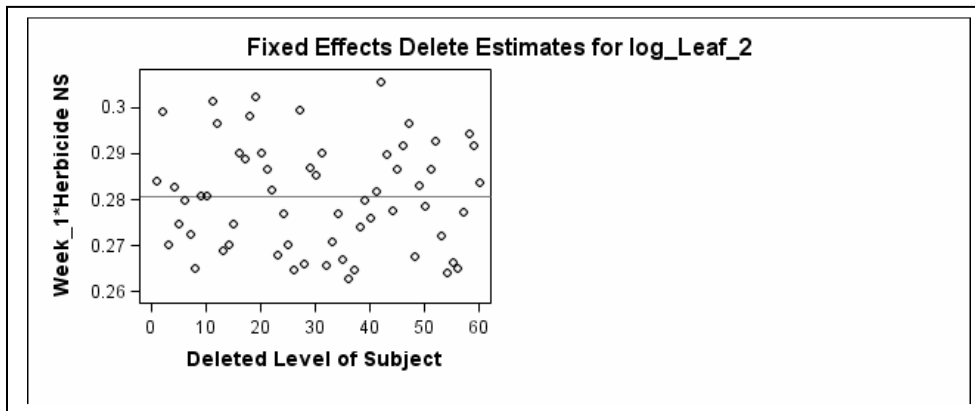
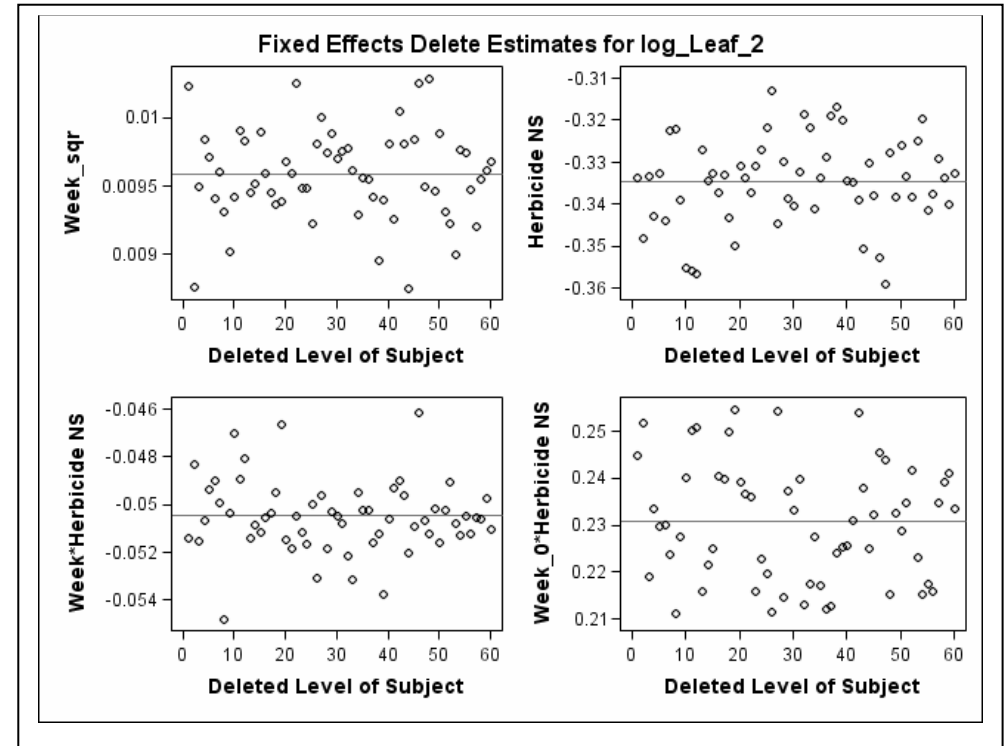
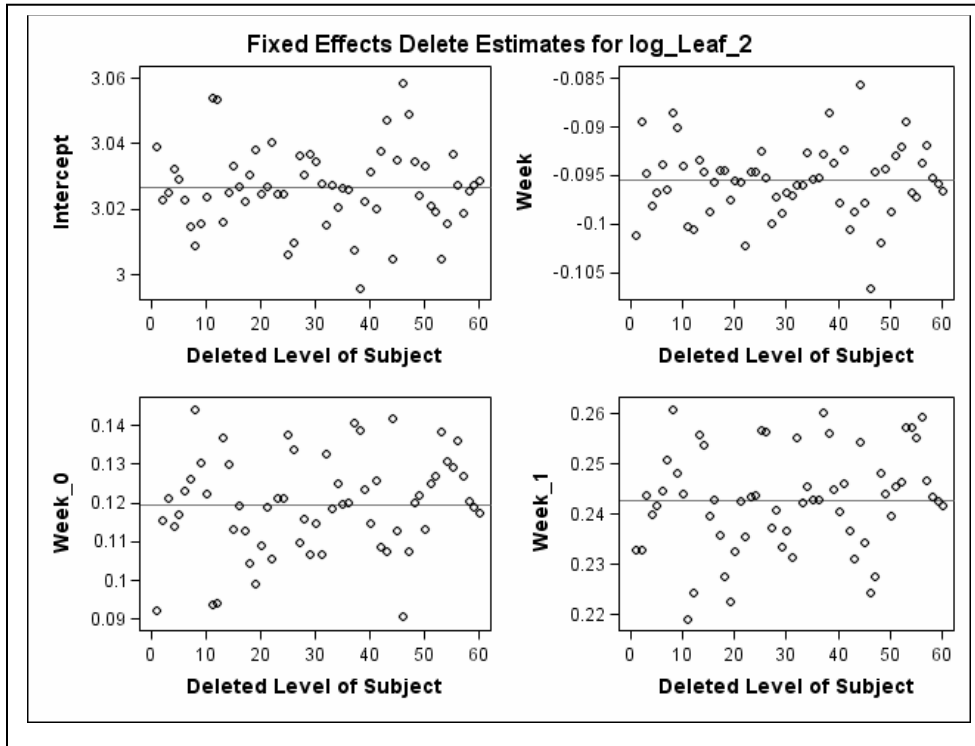


Fig. B2.3: Estimates of fixed parameters obtained after the removal of each data point for the quadratic model with random intercept and slope and $\omega_i = \text{AR}(1)$ and $\Sigma = \text{UN}$.

Model = random effects model with $\omega_i = \text{VC}$ and $\Sigma = \text{UN}$

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	RMSE without deleted level	Restricted Likelihood Distance
1	9	2	0.71469	0.02141	0.02121	1.0415	0.0431	0.10962	0.11168	1.0160	0.0180	0.18091	0.3091
2	9	3	1.33534	0.04171	0.04385	0.8259	0.1778	1.28473	1.48344	1.0017	0.0155	0.17551	1.8362
3	9	2	0.44668	0.01259	0.01217	1.2141	0.1975	0.00935	0.00889	1.1416	0.1350	0.18279	0.1223
4	9	2	0.76217	0.00982	0.00958	1.1819	0.1703	0.01354	0.01312	1.0898	0.0878	0.18289	0.1025
5	9	2	0.45138	0.00905	0.00884	1.2515	0.2290	0.05488	0.05283	1.1074	0.1047	0.18405	0.1364
6	9	2	0.44187	0.00996	0.00985	1.1633	0.1546	0.02589	0.02590	1.0564	0.0570	0.18301	0.1177
7	9	2	1.87816	0.02112	0.02200	0.9897	0.0042	0.18583	0.20959	0.8781	0.1184	0.18204	0.4082
8	9	2	1.25434	0.04323	0.04310	1.0254	0.0299	0.13007	0.14269	0.9186	0.0771	0.18218	0.5409
9	9	2	0.27681	0.00866	0.00842	1.2572	0.2331	0.01692	0.01624	1.1650	0.1558	0.18332	0.0942
10	9	3	0.73663	0.03061	0.03217	1.0447	0.0554	0.31881	0.37450	0.8501	0.1412	0.18394	0.6581
11	9	2	1.35667	0.03861	0.03819	1.0279	0.0300	0.11589	0.11842	0.9925	0.0050	0.18097	0.4743
12	9	2	0.77957	0.02821	0.02743	1.1580	0.1496	0.01681	0.01646	1.0725	0.0718	0.18264	0.2721
13	9	2	0.33897	0.01421	0.01380	1.2064	0.1913	0.02087	0.02013	1.1645	0.1559	0.18230	0.1490
14	9	2	0.33344	0.00922	0.00889	1.2282	0.2093	0.01026	0.00978	1.1479	0.1406	0.18298	0.0928

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	RMSE without deleted level	Restricted Likelihood Distance
15	9	2	0.10119	0.00349	0.00336	1.3205	0.2836	0.04580	0.04381	1.2121	0.1971	0.18389	0.0760
16	9	2	0.18776	0.00839	0.00806	1.2681	0.2420	0.02492	0.02393	1.1611	0.1524	0.18359	0.0995
17	9	2	0.44468	0.01272	0.01232	1.1958	0.1821	0.00927	0.00881	1.1225	0.1177	0.18269	0.1237
18	9	2	0.49983	0.03205	0.03138	1.1332	0.1279	0.04917	0.04914	1.1106	0.1074	0.18153	0.3417
19	9	2	0.80060	0.04616	0.04542	1.0869	0.0858	0.08109	0.08210	1.0709	0.0705	0.18110	0.5054
20	9	2	0.56307	0.01577	0.01564	1.0971	0.0956	0.04627	0.04731	1.0108	0.0133	0.18228	0.1930
21	9	2	0.39202	0.01336	0.01308	1.1998	0.1862	0.03771	0.03723	1.0714	0.0714	0.18355	0.1596
22	9	2	0.25633	0.01063	0.01035	1.2522	0.2291	0.01498	0.01430	1.1791	0.1684	0.18302	0.1100
23	9	2	0.26532	0.01869	0.01800	1.2392	0.2184	0.01248	0.01194	1.1515	0.1439	0.18315	0.1798
24	9	2	0.08497	0.00468	0.00447	1.3264	0.2882	0.05488	0.05241	1.2060	0.1917	0.18409	0.0954
25	9	2	1.74129	0.02768	0.02843	1.0298	0.0362	0.17743	0.20269	0.8892	0.1053	0.18282	0.4602
26	9	2	0.94730	0.02963	0.02910	1.0818	0.0810	0.06658	0.06697	1.0469	0.0476	0.18135	0.3384
27	9	2	0.58642	0.04253	0.04162	1.1073	0.1044	0.03732	0.03714	1.0451	0.0459	0.18196	0.4247
28	9	2	0.41320	0.02375	0.02303	1.2041	0.1892	0.01385	0.01330	1.1496	0.1424	0.18246	0.2279
29	9	2	0.08473	0.00503	0.00482	1.3254	0.2873	0.05010	0.04789	1.2127	0.1976	0.18397	0.0938
30	9	2	0.21831	0.00341	0.00326	1.3187	0.2822	0.05869	0.05595	1.1879	0.1761	0.18419	0.0879
31	9	2	0.27017	0.01321	0.01275	1.2521	0.2293	0.03857	0.03707	1.1223	0.1179	0.18384	0.1566

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	RMSE without deleted level	Restricted Likelihood Distance
32	9	2	0.56163	0.02934	0.02846	1.1888	0.1761	0.01229	0.01180	1.1291	0.1238	0.18244	0.2770
33	9	2	0.20630	0.01137	0.01093	1.2587	0.2344	0.02217	0.02129	1.1527	0.1449	0.18353	0.1236
34	9	2	0.40555	0.01150	0.01119	1.1805	0.1691	0.01239	0.01195	1.0928	0.0905	0.18281	0.1163
35	9	2	0.35234	0.02252	0.02189	1.1862	0.1745	0.03269	0.03249	1.0648	0.0651	0.18337	0.2368
36	9	2	0.66641	0.03542	0.03492	1.0865	0.0867	0.06983	0.07407	0.9775	0.0184	0.18260	0.3985
37	9	2	0.69725	0.02202	0.02132	1.1978	0.1839	0.01714	0.01666	1.0938	0.0916	0.18316	0.2154
38	9	2	1.90565	0.02455	0.02523	0.9590	0.0368	0.20635	0.22462	0.8820	0.1160	0.18119	0.4548
39	9	2	0.48590	0.01970	0.02024	1.1131	0.1139	0.15488	0.16859	0.9431	0.0493	0.18379	0.3540
40	9	2	0.05839	0.00313	0.00299	1.3347	0.2946	0.05935	0.05663	1.2141	0.1988	0.18413	0.0859
41	9	2	0.37765	0.00679	0.00661	1.2636	0.2386	0.04338	0.04158	1.1308	0.1255	0.18395	0.1040
42	9	2	1.01298	0.06095	0.06038	1.0111	0.0139	0.12838	0.13250	0.9625	0.0346	0.18107	0.6942
43	9	2	0.91246	0.01668	0.01643	1.2022	0.1890	0.07403	0.07374	1.0479	0.0503	0.18397	0.2275
44	9	2	0.53132	0.01328	0.01307	1.1465	0.1395	0.02739	0.02697	1.1026	0.0997	0.18194	0.1478
45	9	2	0.20630	0.00374	0.00359	1.2991	0.2667	0.03836	0.03677	1.1859	0.1743	0.18384	0.0711
46	9	2	0.87519	0.03833	0.03891	0.9936	0.0002	0.18276	0.20633	0.8799	0.1165	0.18210	0.5611
47	9	4	4.16205	0.06591	0.07581	0.7692	0.2171	1.22948	1.90661	0.5691	0.4596	0.18297	2.3670
48	9	2	0.43270	0.02799	0.02737	1.1671	0.1575	0.02140	0.02093	1.1216	0.1171	0.18210	0.2749

Subject	Number of Observations in Level	Iterations	Influence Diagnostics for Levels of Subject										Restricted Likelihood Distance
			PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	RMSE without deleted level	
49	9	2	0.08620	0.00084	0.00081	1.3242	0.2864	0.04870	0.04657	1.2133	0.1981	0.18394	0.0553
50	9	2	0.19923	0.00581	0.00563	1.2918	0.2612	0.05386	0.05138	1.1553	0.1475	0.18414	0.1050
51	9	2	0.15367	0.00385	0.00369	1.3181	0.2817	0.05248	0.05014	1.1951	0.1823	0.18408	0.0857
52	9	2	0.34986	0.01094	0.01054	1.2658	0.2401	0.02150	0.02065	1.1653	0.1561	0.18349	0.1189
53	9	2	0.96059	0.01473	0.01461	1.0409	0.0431	0.17854	0.18519	1.0621	0.0631	0.18017	0.3205
54	9	2	0.91137	0.03190	0.03105	1.1508	0.1436	0.02381	0.02378	1.0536	0.0543	0.18278	0.3131
55	9	2	1.03386	0.03380	0.03400	1.0810	0.0849	0.16647	0.18590	0.9185	0.0742	0.18349	0.4976
56	9	2	0.99348	0.02841	0.02800	1.1063	0.1047	0.05737	0.06022	0.9951	0.0013	0.18275	0.3206
57	9	2	0.35236	0.00898	0.00865	1.2801	0.2517	0.03573	0.03424	1.1605	0.1520	0.18384	0.1153
58	9	2	0.31190	0.01525	0.01475	1.2221	0.2044	0.02400	0.02322	1.1064	0.1033	0.18347	0.1611
59	9	2	0.12210	0.00833	0.00797	1.3011	0.2683	0.03351	0.03213	1.2019	0.1883	0.18366	0.1072
60	9	2	0.14618	0.00361	0.00345	1.2873	0.2574	0.03045	0.02924	1.1813	0.1702	0.18368	0.0621

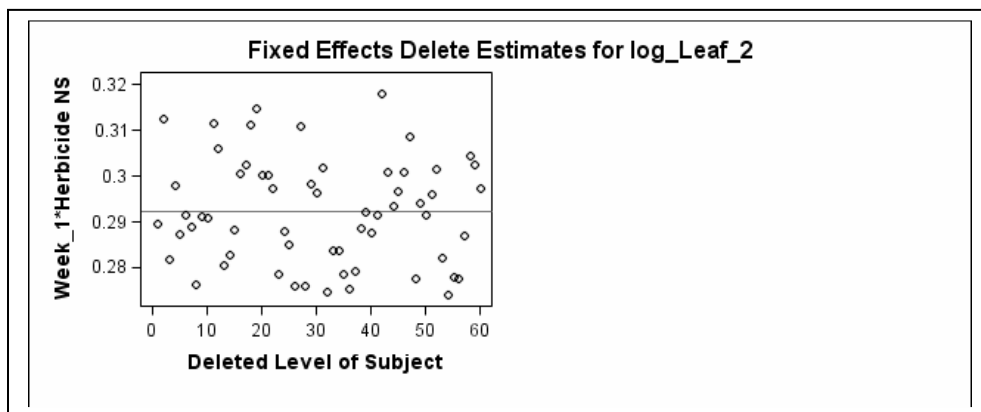
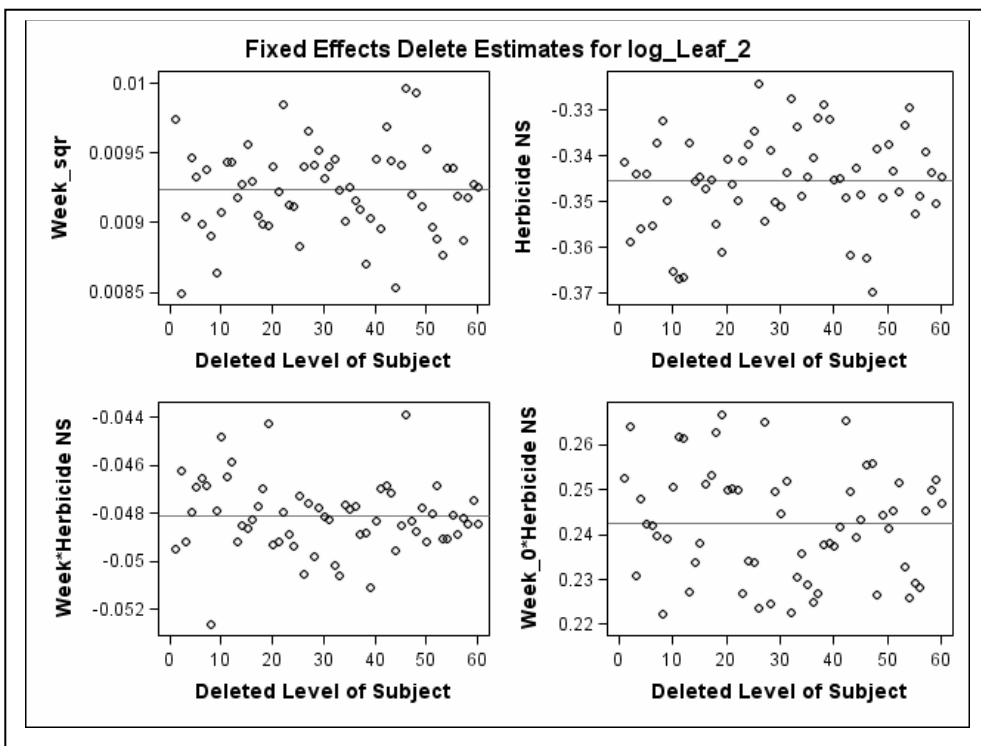
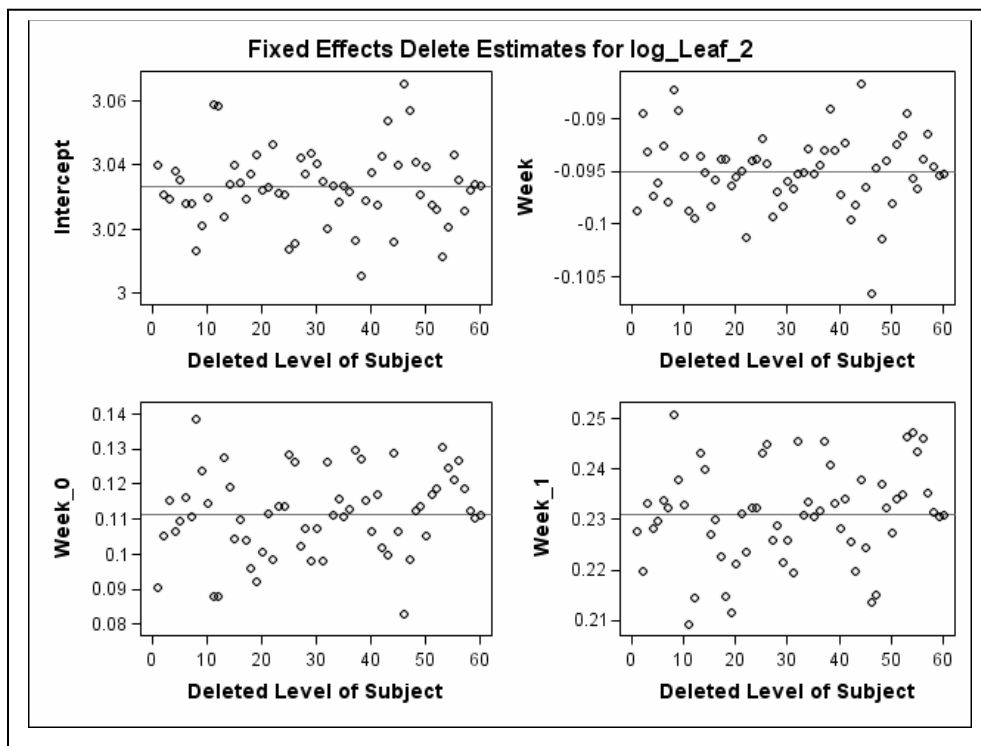


Fig. B2.4: Estimates of fixed parameters obtained after the removal of each data point for the quadratic model with random intercept and slope and $\omega_i = VC$ and $\Sigma = UN$.

Model = random intercept model with $\omega_i = \text{AR}(1)$

Subject	Number of Observations in Level	Iterations	Influence Diagnostics for Levels of Subject										RMSE without deleted level	Restricted Likelihood Distance
			PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms			
1	9	2	0.72670	0.02893	0.02865	1.0412	0.0429	0.15271	0.15469	1.0402	0.0411	0.21137	0.4209	
2	9	2	1.31727	0.02738	0.02778	0.8334	0.1661	2.11513	2.37560	1.0050	0.0161	0.21006	2.6579	
3	9	2	0.44271	0.00944	0.00909	1.2217	0.2037	0.00906	0.00875	1.0835	0.0818	0.21418	0.0943	
4	9	2	0.76366	0.00817	0.00798	1.1781	0.1668	0.01034	0.01020	1.0414	0.0412	0.21392	0.0846	
5	9	2	0.45231	0.01250	0.01202	1.2379	0.2172	0.02301	0.02232	1.0715	0.0699	0.21421	0.1347	
6	9	2	0.44117	0.00925	0.00893	1.1835	0.1714	0.00575	0.00554	1.0808	0.0789	0.21329	0.0887	
7	9	2	1.86002	0.02629	0.02635	0.9800	0.0167	0.16815	0.17861	0.9314	0.0657	0.21295	0.4239	
8	9	2	1.28714	0.03700	0.03667	0.9894	0.0084	0.09755	0.09918	0.9724	0.0235	0.21096	0.4647	
9	9	2	0.27383	0.00598	0.00579	1.2593	0.2347	0.02094	0.02026	1.0951	0.0924	0.21425	0.0740	
10	9	2	0.73784	0.02812	0.02817	1.0836	0.0840	0.13245	0.12952	1.0242	0.0298	0.21129	0.3953	
11	9	2	1.35476	0.03697	0.03646	1.0390	0.0416	0.25358	0.26258	0.9971	0.0007	0.21335	0.6149	
12	9	2	0.77274	0.02333	0.02256	1.1707	0.1603	0.00503	0.00497	1.0430	0.0426	0.21383	0.2176	
13	9	2	0.34718	0.01097	0.01061	1.2096	0.1940	0.03105	0.03072	1.0957	0.0938	0.21377	0.1269	
14	9	2	0.34160	0.00916	0.00881	1.2381	0.2175	0.01161	0.01123	1.0950	0.0926	0.21416	0.0921	
15	9	2	0.10183	0.00377	0.00361	1.3226	0.2852	0.04567	0.04344	1.1196	0.1158	0.21493	0.0782	

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	RMSE without deleted level	Restricted Likelihood Distance
16	9	2	0.18994	0.00923	0.00886	1.2706	0.2440	0.02039	0.01955	1.1074	0.1042	0.21422	0.1024
17	9	2	0.43437	0.00808	0.00777	1.2085	0.1926	0.00621	0.00606	1.0835	0.0815	0.21387	0.0793
18	9	2	0.48670	0.02074	0.02024	1.1326	0.1271	0.02549	0.02511	1.0735	0.0726	0.21239	0.2132
19	9	2	0.76597	0.03204	0.03129	1.0740	0.0730	0.02505	0.02555	1.0404	0.0409	0.21192	0.3104
20	9	2	0.56657	0.01679	0.01634	1.1172	0.1134	0.06388	0.06368	1.0698	0.0689	0.21255	0.2166
21	9	2	0.39289	0.01485	0.01451	1.1840	0.1723	0.04037	0.03912	1.0659	0.0659	0.21281	0.1749
22	9	2	0.25947	0.00721	0.00702	1.2490	0.2264	0.01671	0.01610	1.0995	0.0966	0.21390	0.0811
23	9	2	0.26151	0.01347	0.01296	1.2397	0.2187	0.01630	0.01575	1.0938	0.0912	0.21379	0.1363
24	9	2	0.08285	0.00283	0.00270	1.3275	0.2890	0.06203	0.05941	1.1172	0.1133	0.21483	0.0859
25	9	2	1.72644	0.03368	0.03355	1.0053	0.0085	0.09121	0.09967	0.9274	0.0708	0.21283	0.4101
26	9	2	0.95958	0.02188	0.02125	1.0979	0.0955	0.07197	0.07266	1.0303	0.0304	0.21302	0.2618
27	9	2	0.59103	0.03137	0.03104	1.0864	0.0863	0.08535	0.08711	1.0396	0.0439	0.21119	0.3805
28	9	2	0.40822	0.01480	0.01427	1.2054	0.1900	0.00388	0.00376	1.0826	0.0805	0.21361	0.1366
29	9	2	0.08419	0.00465	0.00445	1.3235	0.2859	0.05146	0.04917	1.1175	0.1137	0.21484	0.0918
30	9	2	0.22251	0.00430	0.00412	1.3175	0.2813	0.05418	0.05141	1.1027	0.1000	0.21512	0.0913
31	9	2	0.26657	0.01240	0.01190	1.2602	0.2355	0.03017	0.02924	1.0893	0.0869	0.21412	0.1402
32	9	2	0.57208	0.01634	0.01582	1.1786	0.1674	0.03091	0.02989	1.0563	0.0561	0.21303	0.1839

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	RMSE without deleted level	Restricted Likelihood Distance
33	9	2	0.20443	0.01135	0.01092	1.2576	0.2335	0.02378	0.02293	1.1007	0.0978	0.21393	0.1246
34	9	2	0.40243	0.00831	0.00806	1.1923	0.1790	0.00579	0.00556	1.0831	0.0812	0.21328	0.0804
35	9	2	0.34989	0.02064	0.02007	1.1862	0.1742	0.03327	0.03218	1.0761	0.0756	0.21280	0.2182
36	9	2	0.66392	0.03640	0.03591	1.0729	0.0732	0.06321	0.06571	1.0357	0.0390	0.21121	0.3969
37	9	2	0.69965	0.02371	0.02287	1.1910	0.1777	0.00443	0.00431	1.0490	0.0484	0.21396	0.2162
38	9	2	1.90020	0.02652	0.02717	0.9792	0.0137	0.40702	0.43239	0.9279	0.0612	0.21403	0.6839
39	9	2	0.48467	0.02433	0.02421	1.1193	0.1161	0.07265	0.07273	1.0440	0.0472	0.21167	0.2957
40	9	2	0.05842	0.00279	0.00267	1.3354	0.2951	0.06086	0.05806	1.1205	0.1165	0.21496	0.0844
41	9	2	0.37659	0.00790	0.00761	1.2550	0.2312	0.02503	0.02423	1.0840	0.0818	0.21428	0.0953
42	9	2	1.01928	0.04310	0.04234	1.0180	0.0197	0.06289	0.06464	0.9994	0.0022	0.21116	0.4634
43	9	2	0.91565	0.01569	0.01543	1.2091	0.1947	0.07165	0.07073	1.0196	0.0219	0.21494	0.2158
44	9	2	0.53866	0.01344	0.01316	1.1531	0.1454	0.05330	0.05313	1.0842	0.0826	0.21316	0.1726
45	9	2	0.21248	0.00663	0.00636	1.2980	0.2659	0.03158	0.02990	1.1065	0.1037	0.21489	0.0896
46	9	2	0.85101	0.03765	0.03826	0.9848	0.0102	0.20899	0.22079	1.0217	0.0333	0.20950	0.5458
47	9	4	4.17596	0.06687	0.07472	0.7346	0.2728	1.03843	1.51880	0.6731	0.3255	0.21224	2.0497
48	9	2	0.44149	0.01841	0.01809	1.1520	0.1447	0.03505	0.03448	1.0656	0.0661	0.21230	0.2085
49	9	2	0.08631	0.00090	0.00087	1.3289	0.2901	0.04635	0.04384	1.1232	0.1193	0.21505	0.0532

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	RMSE without deleted level	Restricted Likelihood Distance
50	9	2	0.20019	0.00514	0.00494	1.3010	0.2683	0.05048	0.04854	1.1033	0.1002	0.21468	0.0955
51	9	2	0.15356	0.00458	0.00439	1.3232	0.2857	0.05080	0.04824	1.1126	0.1093	0.21506	0.0904
52	9	2	0.35188	0.01327	0.01277	1.2696	0.2432	0.02313	0.02184	1.0941	0.0921	0.21479	0.1407
53	9	2	0.96256	0.01478	0.01457	1.0370	0.0380	0.13485	0.13668	1.0184	0.0187	0.21217	0.2734
54	9	2	0.91350	0.02451	0.02381	1.1328	0.1271	0.02330	0.02262	1.0177	0.0183	0.21302	0.2481
55	9	2	1.04650	0.02860	0.02793	1.1150	0.1117	0.04848	0.04897	0.9964	0.0021	0.21336	0.3119
56	9	2	1.00953	0.02578	0.02512	1.1278	0.1228	0.01978	0.02023	1.0116	0.0127	0.21376	0.2530
57	9	2	0.34992	0.00812	0.00781	1.2818	0.2530	0.03729	0.03560	1.0864	0.0845	0.21482	0.1092
58	9	2	0.31422	0.01698	0.01633	1.2391	0.2182	0.00979	0.00942	1.0972	0.0945	0.21405	0.1613
59	9	2	0.12494	0.00766	0.00733	1.3037	0.2704	0.03290	0.03134	1.1174	0.1138	0.21468	0.1001
60	9	2	0.14669	0.00279	0.00267	1.2909	0.2602	0.02998	0.02875	1.1132	0.1096	0.21445	0.0543

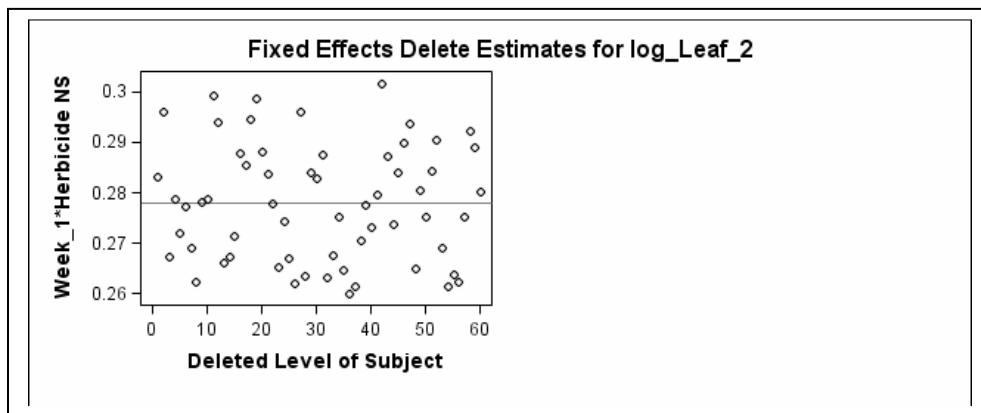
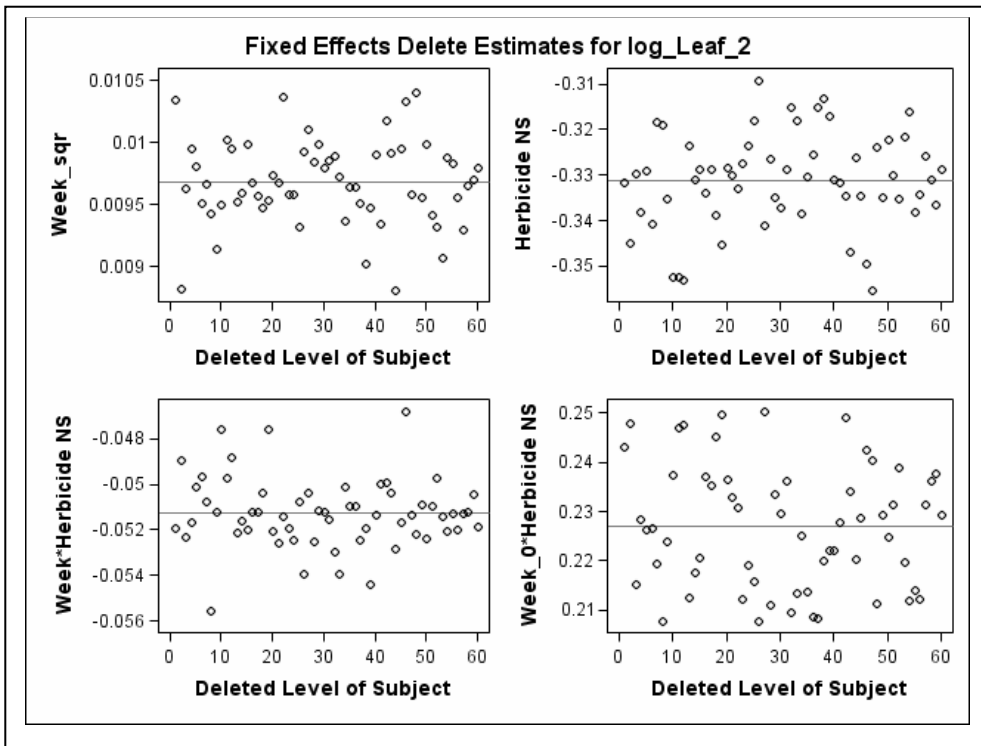
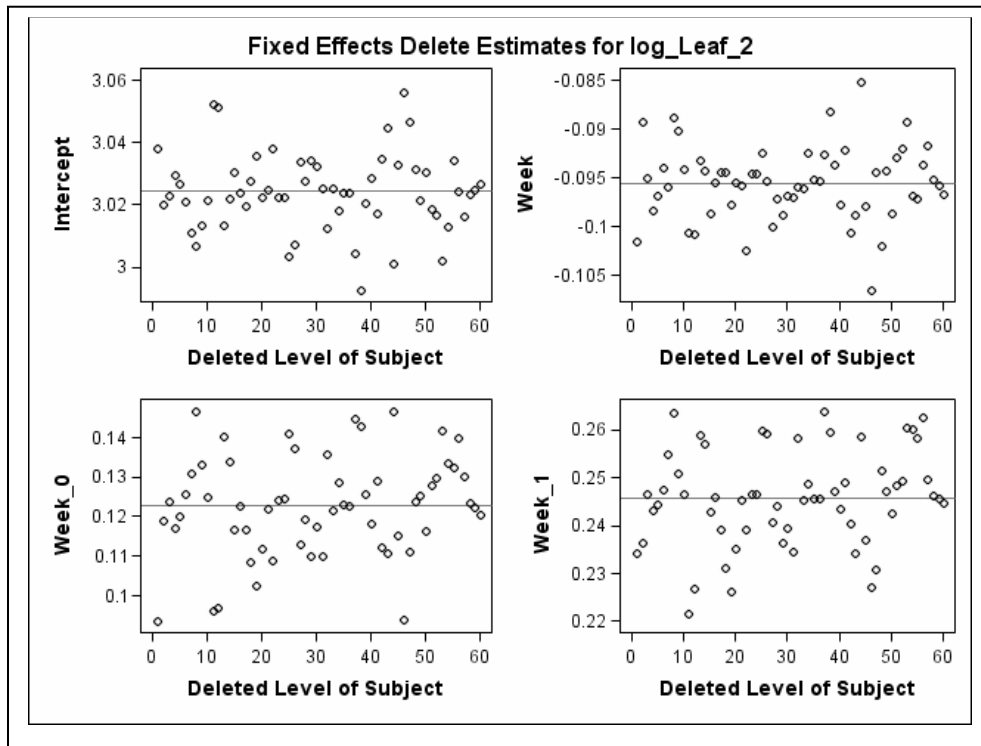


Fig. B2.5: Estimates of fixed parameters obtained after the removal of each data point for the quadratic model with random intercept and $\omega_i = \text{AR}(1)$.

Model = no random effects model with ω_i = TOEP

Subject	Number of Observations in Level	Iterations	Influence Diagnostics for Levels of Subject										RMSE without deleted level	Restricted Likelihood Distance
			PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms			
1	9	3	0.73281	0.04699	0.04883	1.0201	0.0278	0.71827	0.85689	0.6404	0.3802	0.26414	1.1107	
2	9	4	1.31983	0.03035	0.03133	0.6942	0.3154	3.79143	8.05663	0.2571	0.9337	0.26203	6.4192	
3	9	2	0.44581	0.00824	0.00801	1.2207	0.2033	0.05988	0.05840	1.2125	0.1988	0.26480	0.1453	
4	9	2	0.75900	0.00746	0.00724	1.1784	0.1671	0.06314	0.06311	1.1426	0.1393	0.26417	0.1351	
5	9	2	0.45811	0.01155	0.01118	1.2395	0.2188	0.05147	0.04885	1.3993	0.3453	0.26483	0.1535	
6	9	2	0.44650	0.00790	0.00773	1.1737	0.1634	0.04051	0.03989	1.1122	0.1151	0.26488	0.1107	
7	9	2	1.87598	0.02059	0.02086	0.9871	0.0094	0.18415	0.19740	0.7807	0.2303	0.26003	0.3953	
8	9	2	1.27235	0.03791	0.03767	1.0152	0.0177	0.13306	0.13821	1.0240	0.0329	0.26182	0.5055	
9	9	2	0.27775	0.00692	0.00679	1.2645	0.2394	0.04463	0.04235	1.4887	0.4133	0.26557	0.1026	
10	9	2	0.74926	0.02406	0.02432	1.0993	0.1002	0.15274	0.15631	1.2767	0.2559	0.26369	0.3871	
11	9	3	1.34297	0.04575	0.04531	1.0135	0.0158	0.50076	0.60776	0.7070	0.3053	0.26203	0.9285	
12	9	2	0.76256	0.02331	0.02251	1.1686	0.1584	0.01769	0.01714	1.0948	0.0946	0.26410	0.2227	
13	9	2	0.34384	0.00860	0.00830	1.1780	0.1684	0.09155	0.09606	1.0584	0.0660	0.26540	0.2031	
14	9	2	0.33283	0.00690	0.00664	1.2441	0.2226	0.03358	0.03256	1.2146	0.1997	0.26534	0.1049	
15	9	1	0.10119	0.00512	0.00492	1.3196	0.2829	0.05452	0.05159	1.4577	0.3861	0.26628	0.0951	

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	RMSE without deleted level	Restricted Likelihood Distance
16	9	2	0.18432	0.00749	0.00717	1.2807	0.2522	0.04166	0.03957	1.3617	0.3155	0.26585	0.1023
17	9	2	0.44806	0.01173	0.01134	1.1826	0.1709	0.04959	0.04928	1.1070	0.1067	0.26482	0.1411
18	9	2	0.49479	0.02739	0.02685	1.1008	0.0988	0.15221	0.15679	0.9421	0.0485	0.26468	0.3756
19	9	2	0.78437	0.04680	0.04685	1.0522	0.0560	0.36805	0.39117	1.0236	0.0487	0.26322	0.7040
20	9	2	0.57124	0.01346	0.01332	1.1231	0.1193	0.24644	0.26062	1.0339	0.0455	0.26445	0.4184
21	9	2	0.38662	0.01565	0.01566	1.1539	0.1487	0.13395	0.13336	1.1586	0.1595	0.26508	0.2841
22	9	2	0.25447	0.00631	0.00623	1.2541	0.2310	0.03557	0.03343	1.3581	0.3141	0.26573	0.0902
23	9	2	0.26790	0.01676	0.01616	1.2231	0.2050	0.03718	0.03530	1.2611	0.2379	0.26545	0.1757
24	9	1	0.08196	0.00256	0.00245	1.3307	0.2915	0.06396	0.06090	1.5403	0.4426	0.26630	0.0852
25	9	2	1.74857	0.03781	0.03815	1.0025	0.0070	0.21143	0.22336	0.8612	0.1362	0.26033	0.5542
26	9	2	0.96966	0.02524	0.02466	1.0925	0.0907	0.12802	0.13289	0.8437	0.1518	0.26353	0.3352
27	9	2	0.58064	0.03074	0.03048	1.1142	0.1145	0.15682	0.15393	1.3555	0.3314	0.26436	0.4289
28	9	2	0.41420	0.02361	0.02310	1.1855	0.1745	0.10699	0.10840	1.1341	0.1333	0.26508	0.2974
29	9	2	0.08313	0.00745	0.00720	1.3084	0.2746	0.06891	0.06470	1.5199	0.4303	0.26631	0.1215
30	9	1	0.21470	0.00410	0.00393	1.3200	0.2832	0.05787	0.05502	1.5259	0.4333	0.26580	0.0902
31	9	2	0.27690	0.01558	0.01505	1.2471	0.2253	0.05759	0.05475	1.3604	0.3147	0.26547	0.1807
32	9	2	0.57618	0.01652	0.01605	1.1780	0.1671	0.05947	0.05816	1.2153	0.2011	0.26492	0.2197

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	RMSE without deleted level	Restricted Likelihood Distance
33	9	2	0.20176	0.00945	0.00912	1.2610	0.2363	0.04483	0.04278	1.3519	0.3081	0.26576	0.1351
34	9	2	0.41269	0.01267	0.01228	1.1663	0.1572	0.08007	0.08010	1.0897	0.0966	0.26502	0.1790
35	9	2	0.35873	0.02292	0.02238	1.1906	0.1781	0.06974	0.06773	1.2831	0.2559	0.26513	0.2691
36	9	2	0.67163	0.03161	0.03120	1.0958	0.0955	0.11151	0.11504	1.0993	0.1020	0.26406	0.4080
37	9	2	0.70868	0.02499	0.02409	1.1891	0.1764	0.02667	0.02529	1.1883	0.1775	0.26426	0.2297
38	9	3	1.92076	0.02695	0.02722	0.9549	0.0362	0.95109	1.29426	0.7997	0.0979	0.25947	1.4593
39	9	2	0.47804	0.02248	0.02314	1.0974	0.1011	0.19097	0.19635	1.1289	0.1357	0.26449	0.4067
40	9	1	0.05980	0.00434	0.00417	1.3277	0.2893	0.06428	0.06095	1.4968	0.4130	0.26638	0.0989
41	9	2	0.38109	0.00671	0.00647	1.2570	0.2330	0.04520	0.04293	1.3946	0.3404	0.26521	0.1048
42	9	2	1.01043	0.05073	0.05082	1.0186	0.0239	0.27952	0.28834	1.0386	0.0508	0.26219	0.7345
43	9	2	0.89922	0.01697	0.01662	1.2177	0.2018	0.07728	0.07416	1.4333	0.3744	0.26346	0.2162
44	9	2	0.53524	0.01082	0.01063	1.1622	0.1536	0.25466	0.26915	1.0706	0.0886	0.26484	0.3759
45	9	2	0.20618	0.00711	0.00685	1.3135	0.2784	0.06398	0.05920	1.5482	0.4543	0.26582	0.1050
46	9	2	0.85163	0.03582	0.03602	1.0287	0.0324	0.17698	0.18473	0.9584	0.0286	0.26354	0.4800
47	9	2	4.14669	0.06353	0.07156	0.7337	0.2738	1.06178	1.48171	0.6439	0.3574	0.25188	2.0309
48	9	2	0.43570	0.01836	0.01827	1.1718	0.1637	0.12304	0.11776	1.5594	0.4846	0.26502	0.2817
49	9	1	0.08682	0.00096	0.00092	1.3302	0.2911	0.04736	0.04519	1.4352	0.3692	0.26628	0.0545

Influence Diagnostics for Levels of Subject													
Subject	Number of Observations in Level	Iterations	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	Cook's D CovParms	MDFFITS CovParms	COVRATIO CovParms	COVTRACE CovParms	RMSE without deleted level	Restricted Likelihood Distance
50	9	1	0.19681	0.00478	0.00459	1.3012	0.2684	0.05262	0.05022	1.4893	0.4075	0.26581	0.0934
51	9	1	0.15241	0.00469	0.00449	1.3213	0.2842	0.05026	0.04800	1.4646	0.3901	0.26604	0.0906
52	9	2	0.35171	0.01474	0.01420	1.2681	0.2421	0.04376	0.04176	1.2901	0.2611	0.26530	0.1638
53	9	2	0.97226	0.01532	0.01546	1.0468	0.0528	0.53492	0.60441	1.0472	0.1354	0.26373	0.7350
54	9	2	0.92424	0.02767	0.02686	1.1357	0.1297	0.03548	0.03447	1.1491	0.1437	0.26367	0.2697
55	9	2	1.02635	0.03079	0.03015	1.1189	0.1158	0.06976	0.06964	1.2847	0.2598	0.26235	0.3389
56	9	2	0.98960	0.02426	0.02385	1.1257	0.1220	0.09123	0.09119	1.0917	0.0951	0.26270	0.3357
57	9	2	0.35385	0.01130	0.01097	1.2604	0.2365	0.06159	0.05810	1.3311	0.2961	0.26543	0.1467
58	9	2	0.30604	0.01569	0.01508	1.2334	0.2137	0.05865	0.05687	1.2654	0.2438	0.26536	0.2014
59	9	2	0.12085	0.00700	0.00670	1.3031	0.2699	0.04506	0.04294	1.4125	0.3530	0.26611	0.1080
60	9	2	0.14382	0.00380	0.00365	1.2848	0.2554	0.03876	0.03695	1.3590	0.3145	0.26603	0.0727

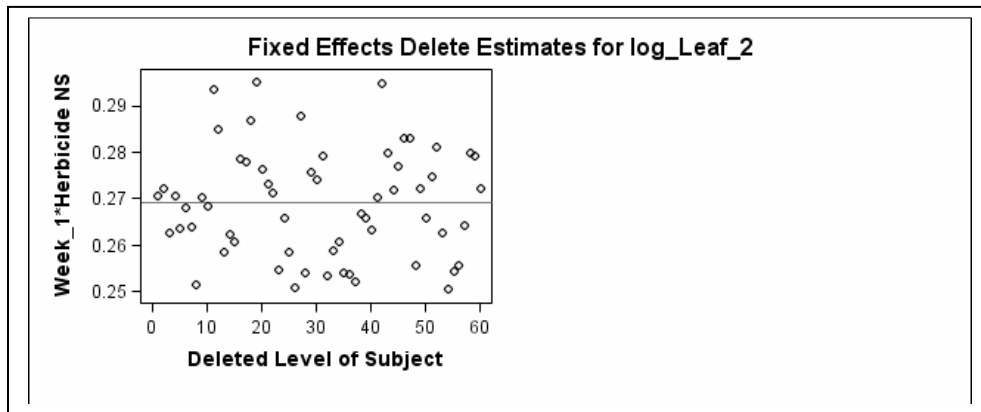
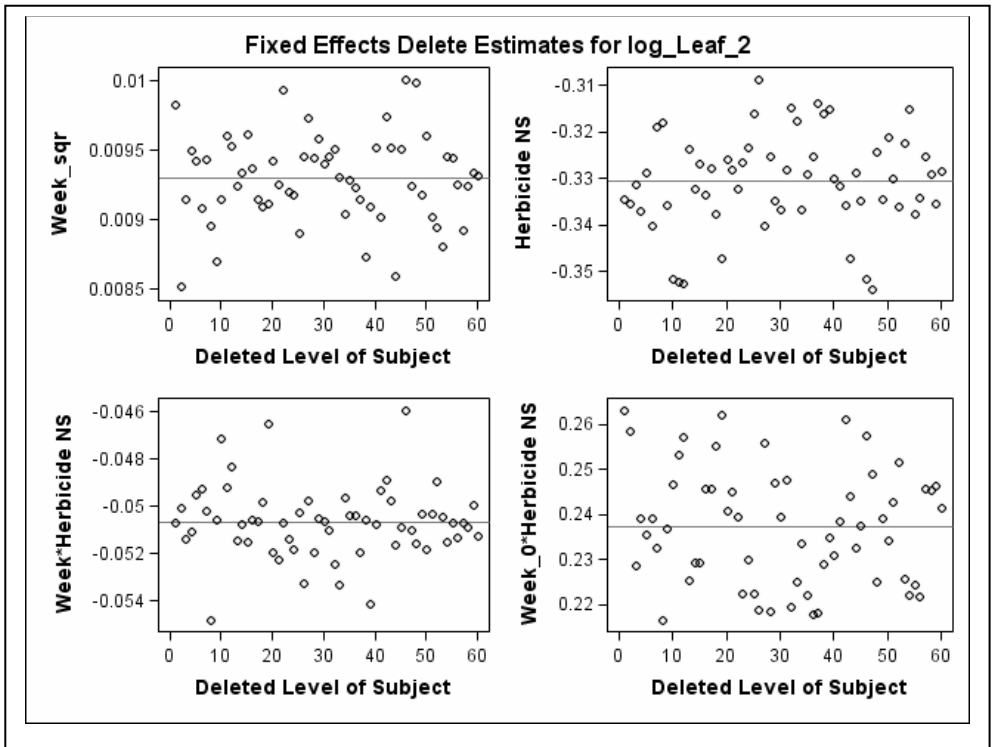
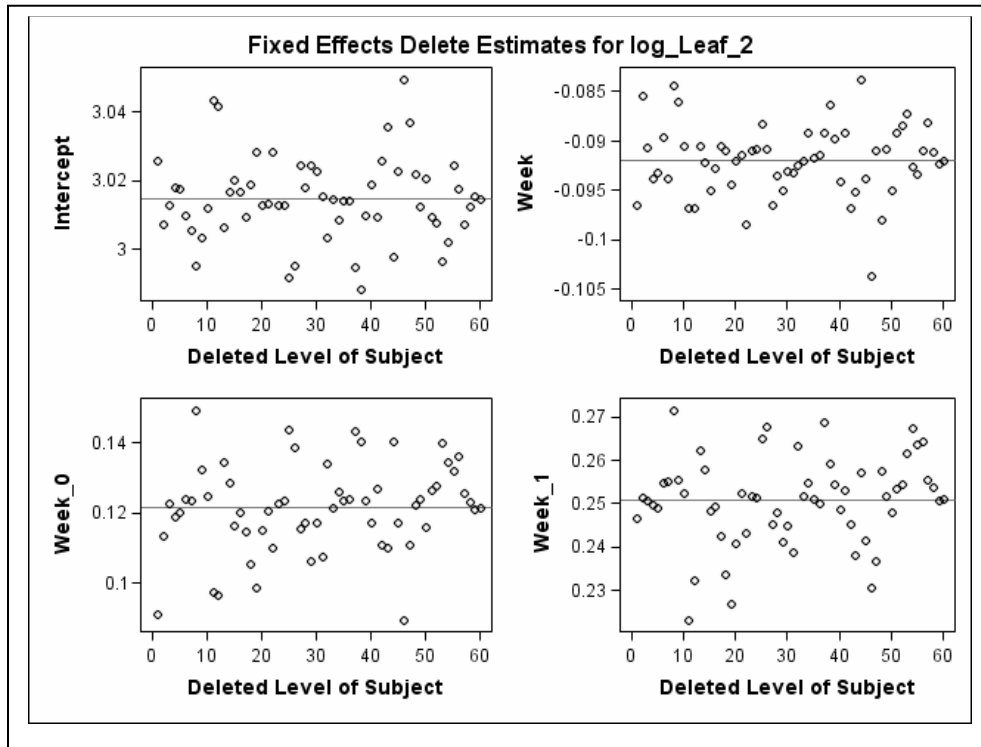


Fig. B2.6: Estimates of fixed parameters obtained after the removal of each data point for the quadratic model with no random effects and $\omega_i = \text{TOEP}$.

Model = no random effects model with $\omega_i = \text{VC}$ (OLS model)

Influence Diagnostics for Levels of Subject								
Subject	Number of Observations in Level	PRESS Statistic	Cook's D	MDFITS	COVRATIO	COVTRACE	RMSE without deleted level	Restricted Likelihood Distance
1	9	0.71469	0.01693	0.01644	1.1394	0.1327	0.26158	0.1543
2	9	1.33534	0.02122	0.02100	0.9738	0.0254	0.25930	0.3005
3	9	0.44668	0.01588	0.01528	1.2185	0.2010	0.26255	0.1489
4	9	0.76217	0.03078	0.02986	1.1283	0.1227	0.26143	0.2813
5	9	0.45138	0.02272	0.02186	1.2184	0.2009	0.26255	0.2101
6	9	0.44187	0.01340	0.01289	1.2195	0.2019	0.26257	0.1269
7	9	1.87816	0.08312	0.08316	0.8548	0.1544	0.25743	1.0914
8	9	1.25434	0.06230	0.06126	1.0007	0.0018	0.25970	0.6461
9	9	0.27681	0.00946	0.00911	1.2700	0.2434	0.26316	0.1089
10	9	0.73663	0.03893	0.03774	1.1370	0.1305	0.26155	0.3532
11	9	1.35667	0.05934	0.05852	0.9743	0.0248	0.25931	0.6498
12	9	0.77957	0.03805	0.03693	1.1246	0.1194	0.26139	0.3478
13	9	0.33897	0.00798	0.00765	1.2502	0.2273	0.26293	0.0877
14	9	0.33344	0.00981	0.00941	1.2523	0.2290	0.26295	0.1048
15	9	0.10119	0.00309	0.00296	1.3254	0.2873	0.26378	0.0820
16	9	0.18776	0.00641	0.00612	1.2979	0.2657	0.26348	0.0953

Influence Diagnostics for Levels of Subject								
Subject	Number of Observations in Level	PRESS Statistic	Cook's D	MDFITS	COVRATIO	COVTRACE	RMSE without deleted level	Restricted Likelihood Distance
17	9	0.44468	0.01456	0.01400	1.2189	0.2013	0.26256	0.1371
18	9	0.49983	0.01784	0.01720	1.2028	0.1877	0.26236	0.1634
19	9	0.80060	0.03635	0.03531	1.1184	0.1137	0.26131	0.3340
20	9	0.56307	0.01588	0.01533	1.1835	0.1713	0.26213	0.1435
21	9	0.39202	0.01673	0.01607	1.2355	0.2151	0.26275	0.1610
22	9	0.25633	0.00752	0.00724	1.2762	0.2484	0.26323	0.0943
23	9	0.26532	0.01195	0.01144	1.2742	0.2468	0.26321	0.1329
24	9	0.08497	0.00405	0.00386	1.3309	0.2916	0.26384	0.0940
25	9	1.74129	0.08494	0.08466	0.8860	0.1191	0.25795	1.0357
26	9	0.94730	0.03757	0.03664	1.0778	0.0764	0.26077	0.3608
27	9	0.58642	0.02851	0.02754	1.1789	0.1673	0.26207	0.2567
28	9	0.41320	0.01722	0.01655	1.2290	0.2098	0.26268	0.1636
29	9	0.08473	0.00356	0.00340	1.3309	0.2916	0.26384	0.0896
30	9	0.21831	0.01091	0.01043	1.2890	0.2586	0.26337	0.1306
31	9	0.27017	0.01379	0.01321	1.2730	0.2458	0.26319	0.1488
32	9	0.56163	0.02710	0.02616	1.1860	0.1734	0.26216	0.2445
33	9	0.20630	0.00809	0.00773	1.2922	0.2612	0.26341	0.1073

Influence Diagnostics for Levels of Subject								
Subject	Number of Observations in Level	PRESS Statistic	Cook's D	MDFITS	COVRATIO	COVTRACE	RMSE without deleted level	Restricted Likelihood Distance
34	9	0.40555	0.01185	0.01140	1.2304	0.2109	0.26269	0.1159
35	9	0.35234	0.01735	0.01664	1.2479	0.2254	0.26290	0.1705
36	9	0.66641	0.03191	0.03087	1.1561	0.1474	0.26179	0.2876
37	9	0.69725	0.03514	0.03403	1.1477	0.1400	0.26168	0.3175
38	9	1.90565	0.08014	0.08029	0.8483	0.1619	0.25732	1.0803
39	9	0.48590	0.02242	0.02159	1.2079	0.1920	0.26243	0.2053
40	9	0.05839	0.00244	0.00233	1.3394	0.2982	0.26394	0.0854
41	9	0.37765	0.01760	0.01690	1.2401	0.2189	0.26281	0.1702
42	9	1.01298	0.05101	0.04984	1.0623	0.0618	0.26056	0.4916
43	9	0.91246	0.04875	0.04748	1.0893	0.0871	0.26092	0.4567
44	9	0.53132	0.01342	0.01300	1.1925	0.1790	0.26224	0.1223
45	9	0.20630	0.00780	0.00746	1.2922	0.2612	0.26341	0.1047
46	9	0.87519	0.03761	0.03667	1.0977	0.0949	0.26103	0.3522
47	9	4.16205	0.22165	0.23681	0.4734	0.7165	0.24912	4.9519
48	9	0.43270	0.01676	0.01618	1.2230	0.2047	0.26261	0.1579
49	9	0.08620	0.00146	0.00139	1.3300	0.2909	0.26383	0.0704
50	9	0.19923	0.00967	0.00925	1.2948	0.2633	0.26344	0.1227

Influence Diagnostics for Levels of Subject								
Subject	Number of Observations in Level	PRESS Statistic	Cook's D	MDFFITS	COVRATIO	COVTRACE	RMSE without deleted level	Restricted Likelihood Distance
51	9	0.15367	0.00700	0.00669	1.3090	0.2745	0.26360	0.1068
52	9	0.34986	0.01570	0.01508	1.2483	0.2257	0.26291	0.1560
53	9	0.96059	0.02323	0.02269	1.0718	0.0708	0.26069	0.2337
54	9	0.91137	0.04734	0.04610	1.0894	0.0872	0.26092	0.4439
55	9	1.03386	0.05563	0.05436	1.0574	0.0571	0.26049	0.5367
56	9	0.99348	0.04799	0.04684	1.0670	0.0663	0.26062	0.4613
57	9	0.35236	0.01735	0.01666	1.2479	0.2254	0.26290	0.1705
58	9	0.31190	0.01381	0.01323	1.2598	0.2351	0.26304	0.1434
59	9	0.12210	0.00451	0.00430	1.3188	0.2822	0.26371	0.0904
60	9	0.14618	0.00316	0.00301	1.3107	0.2758	0.26362	0.0736

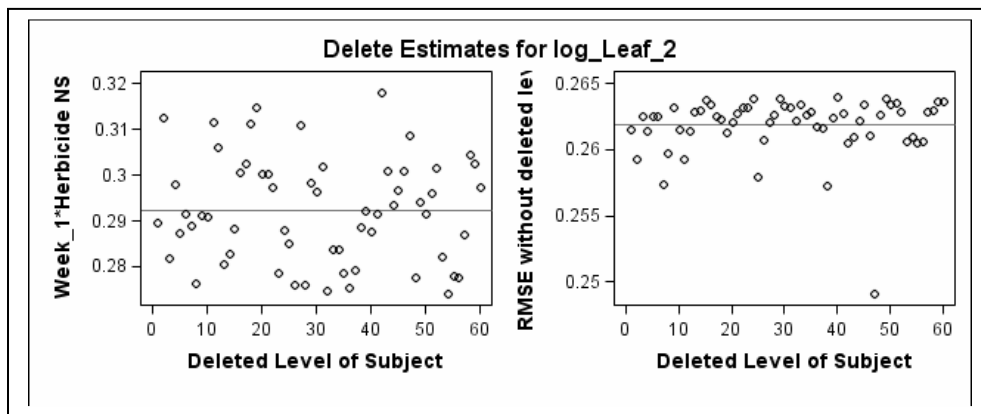
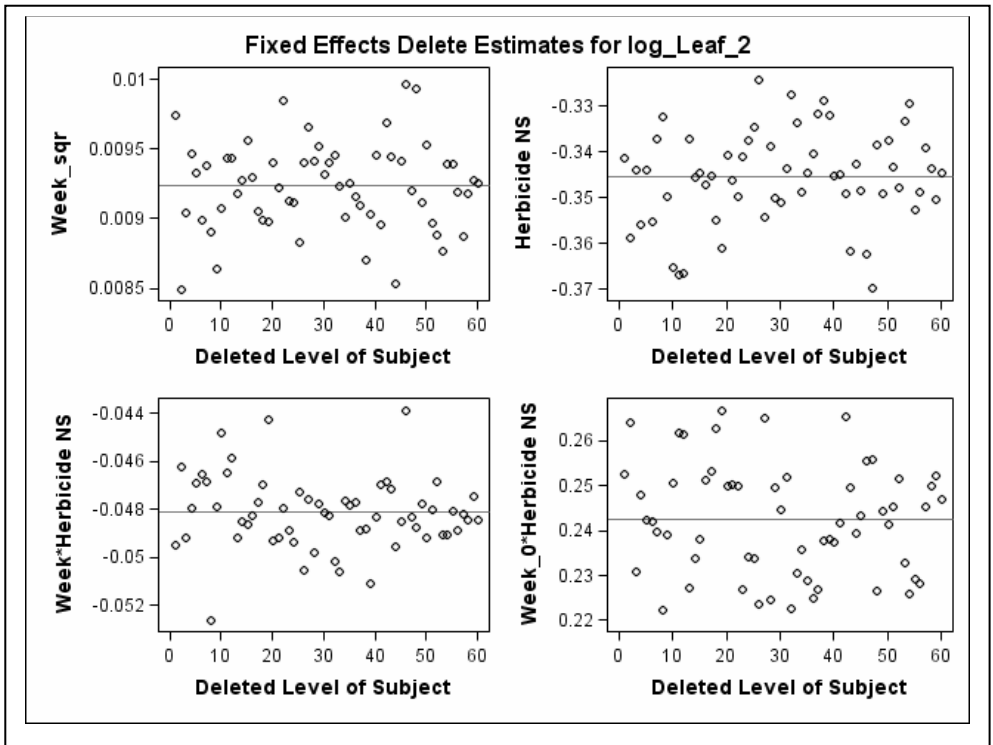
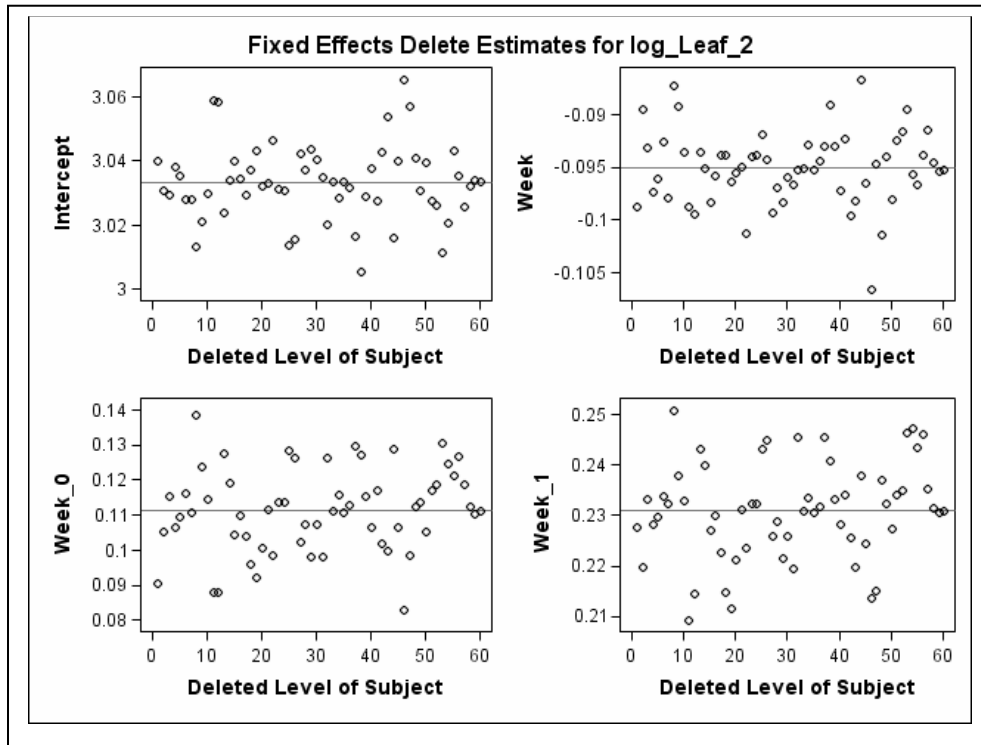


Fig. B2.7: Estimates of fixed parameters obtained after the removal of each data point for the quadratic model with no random effects and $\omega_i = VC$ (OLS model).