

The REG Procedure
Model: MODEL1
Dependent Variable: logprz

Number of Observations Read	100
Number of Observations Used	100

Stepwise Selection: Step 1

Variable green Entered: R-Square = 0.4207 and C(p) = 325.0300

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	38.59936	38.59936	71.17	<.0001
Error	98	53.14957	0.54234		
Corrected Total	99	91.74894			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-2.57450	1.25379	2.28670	4.22	0.0427
green	0.16771	0.01988	38.59936	71.17	<.0001

Bounds on condition number: 1, 1

Stepwise Selection: Step 2

Variable putts Entered: R-Square = 0.8514 and C(p) = 14.0185

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	78.11301	39.05650	277.83	<.0001
Error	97	13.63593	0.14058		
Corrected Total	99	91.74894			

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Stepwise Selection: Step 2

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	14.37312	1.19553	20.31845	144.54	<.0001
green	0.18185	0.01016	45.07023	320.61	<.0001
putts	-0.61028	0.03640	39.51364	281.08	<.0001

Bounds on condition number: 1.0069, 4.0278

Stepwise Selection: Step 3

Variable sandshot Entered: R-Square = 0.8594 and C(p) = 10.1812

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	78.84989	26.28330	195.61	<.0001
Error	96	12.89905	0.13437		
Corrected Total	99	91.74894			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	13.29417	1.25635	15.04478	111.97	<.0001
green	0.19469	0.01134	39.58799	294.63	<.0001
putts	-0.62251	0.03597	40.24647	299.53	<.0001
sandshot	0.63261	0.27013	0.73688	5.48	0.0213

Bounds on condition number: 1.3152, 10.973

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Stepwise Selection: Step 4

Variable drive Entered: R-Square = 0.8676 and C(p) = 6.2475

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	79.59893	19.89973	155.59	<.0001
Error	95	12.15000	0.12789		
Corrected Total	99	91.74894			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	15.32271	1.48493	13.61794	106.48	<.0001
drive	-0.01110	0.00459	0.74905	5.86	0.0174
green	0.21228	0.01324	32.88621	257.13	<.0001
putts	-0.64295	0.03609	40.58268	317.31	<.0001
sandshot	0.83766	0.27684	1.17097	9.16	0.0032

Bounds on condition number: 1.8804, 23.492

Stepwise Selection: Step 5

Variable sandsave Entered: R-Square = 0.8719 and C(p) = 5.0785

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	79.99898	15.99980	128.00	<.0001
Error	94	11.74995	0.12500		
Corrected Total	99	91.74894			

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Stepwise Selection: Step 5

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	14.27288	1.58097	10.18783	81.50	<.0001
drive	-0.00956	0.00461	0.53676	4.29	0.0410
green	0.21038	0.01313	32.09080	256.73	<.0001
putts	-0.62537	0.03701	35.68772	285.50	<.0001
sandshot	0.79077	0.27494	1.03405	8.27	0.0050
sandsave	0.00833	0.00466	0.40005	3.20	0.0768

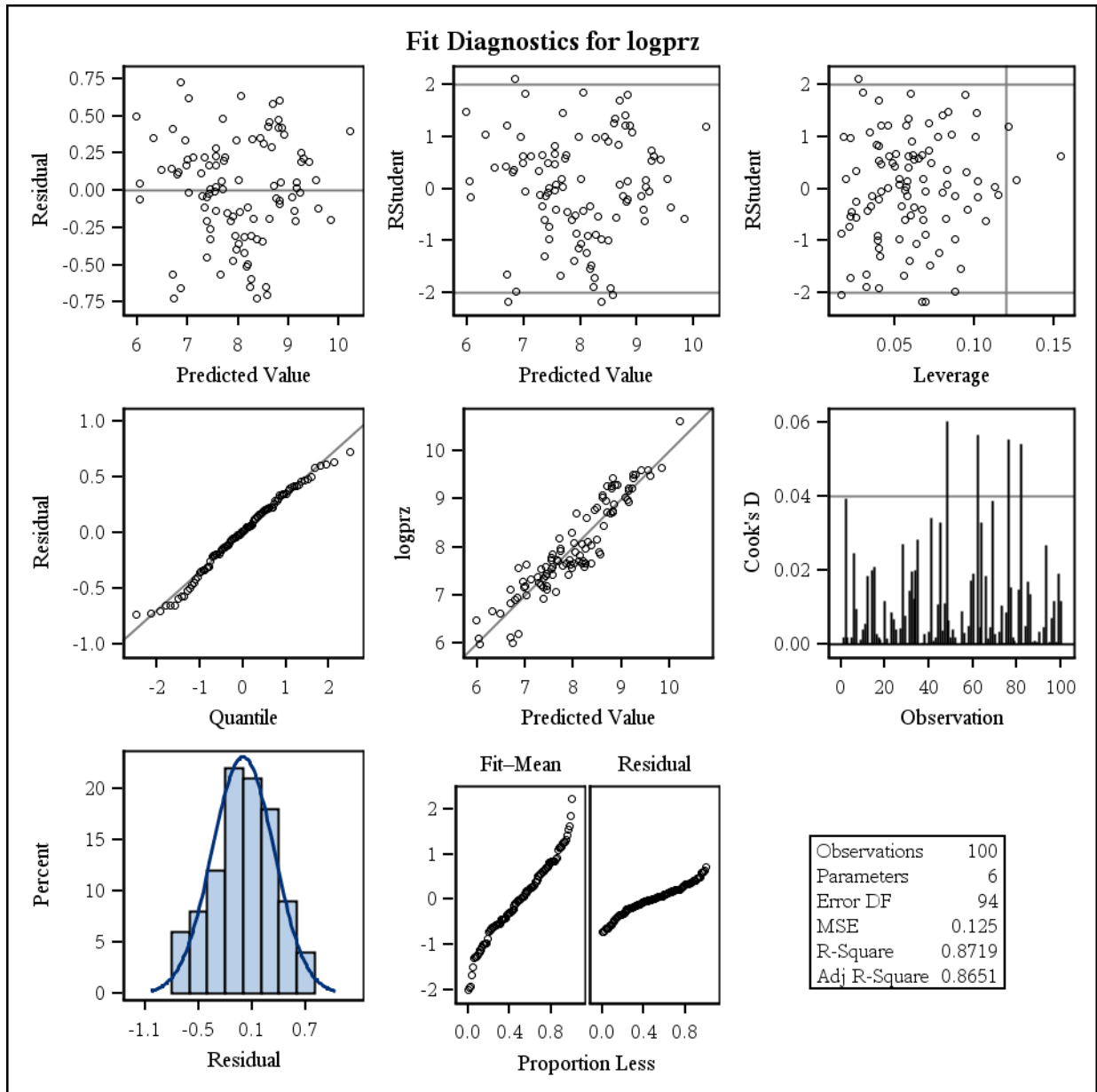
Bounds on condition number: 1.8927, 35.655

All variables left in the model are significant at the 0.2000 level.

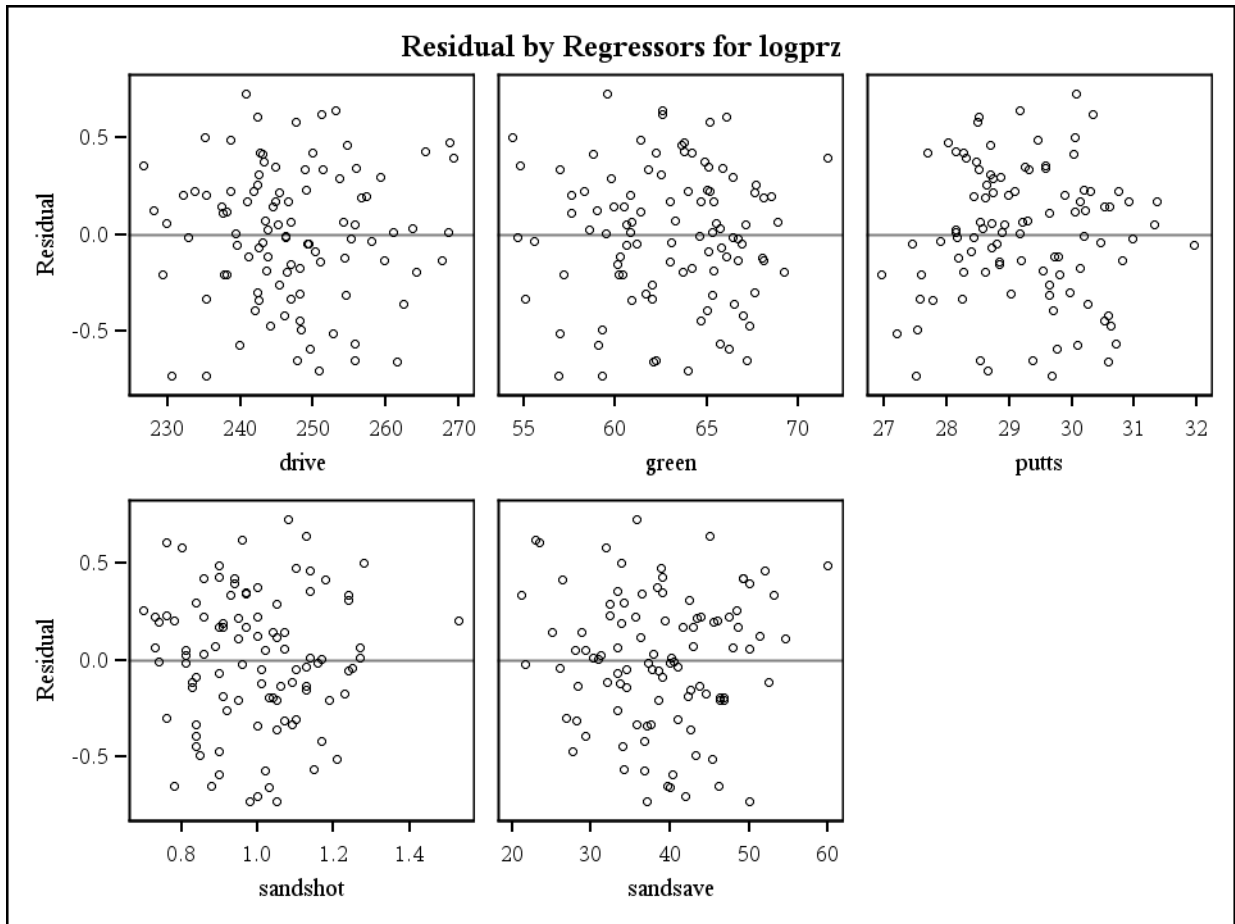
No other variable met the 0.2000 significance level for entry into the model.

Summary of Stepwise Selection								
Step	Variable Entered	Variable Removed	Number Vars In	Partial R-Square	Model R-Square	C(p)	F Value	Pr > F
1	green		1	0.4207	0.4207	325.030	71.17	<.0001
2	putts		2	0.4307	0.8514	14.0185	281.08	<.0001
3	sandshot		3	0.0080	0.8594	10.1812	5.48	0.0213
4	drive		4	0.0082	0.8676	6.2475	5.86	0.0174
5	sandsave		5	0.0044	0.8719	5.0785	3.20	0.0768

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Number of Observations Read	100
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Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	79.99898	15.99980	128.00	<.0001
Error	94	11.74995	0.12500		
Corrected Total	99	91.74894			

Root MSE	0.35355	R-Square	0.8719
Dependent Mean	7.98461	Adj R-Sq	0.8651
Coeff Var	4.42793		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	14.27288	1.58097	9.03	<.0001
green	1	0.21038	0.01313	16.02	<.0001
putts	1	-0.62537	0.03701	-16.90	<.0001
sandshot	1	0.79077	0.27494	2.88	0.0050
sandsave	1	0.00833	0.00466	1.79	0.0768
drive	1	-0.00956	0.00461	-2.07	0.0410

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Output Statistics

Obs	Residual	RStudent	Hat Diag H	Cov Ratio	DFFITS	DFBETAS					
						Intercept	green	putts	sandshot	sandsave	drive
1	0.1420	0.4122	0.0585	1.1202	0.1028	-0.0038	-0.0401	0.0420	-0.0122	-0.0617	0.0084
2	0.4847	1.4548	0.1013	1.0367	0.4885	-0.0741	-0.1015	0.1532	-0.1561	0.4271	0.0056
3	-0.3048	-0.8678	0.0160	1.0324	-0.1107	0.0053	0.0046	0.0136	-0.0478	-0.0204	-0.0117
4	-0.0177	-0.0518	0.0694	1.1456	-0.0141	-0.0090	0.0060	0.0043	-0.0019	0.0015	0.0041
5	0.1217	0.3577	0.0826	1.1528	0.1074	0.0048	-0.0177	0.0439	-0.0138	0.0599	-0.0405
6	-0.6511	-1.9058	0.0401	0.8827	-0.3897	0.1437	0.0041	-0.0900	0.2306	-0.0785	-0.1656
7	-0.3018	-0.8837	0.0691	1.0894	-0.2407	-0.0409	-0.0895	-0.0149	0.0628	0.1306	0.0972
8	0.0511	0.1480	0.0576	1.1298	0.0366	0.0149	0.0164	-0.0128	-0.0043	-0.0235	-0.0151
9	-0.1201	-0.3491	0.0617	1.1275	-0.0895	-0.0155	-0.0629	0.0544	-0.0423	0.0335	0.0192
10	0.2295	0.6642	0.0505	1.0916	0.1532	-0.0319	-0.0398	0.0733	-0.1104	-0.0272	0.0364
11	-0.3128	-0.9016	0.0389	1.0530	-0.1814	0.0384	-0.0614	0.0036	-0.0747	0.1119	-0.0148
12	0.4609	1.3493	0.0583	1.0079	0.3357	-0.1229	0.0459	-0.0200	0.1280	0.2326	0.0931
13	0.0659	0.1920	0.0677	1.1410	0.0518	0.0036	0.0231	-0.0103	-0.0153	0.0206	-0.0109
14	0.4266	1.2559	0.0710	1.0376	0.3472	-0.0683	-0.1478	-0.0510	-0.1387	0.0318	0.2825
15	-0.4160	-1.2283	0.0775	1.0494	-0.3559	0.1301	-0.2544	-0.0811	-0.2501	0.0186	0.1340
16	-0.1768	-0.5139	0.0600	1.1152	-0.1299	0.0636	-0.0582	-0.0351	-0.0937	-0.0448	0.0152
17	0.1078	0.3190	0.0952	1.1708	0.1035	-0.0088	-0.0597	0.0414	-0.0452	0.0734	0.0166
18	-0.1920	-0.5479	0.0253	1.0730	-0.0884	-0.0067	-0.0332	0.0299	-0.0326	-0.0431	0.0178
19	-0.0870	-0.2481	0.0259	1.0902	-0.0404	-0.0119	-0.0032	0.0176	0.0172	0.0014	-0.0030
20	0.2034	0.6237	0.1543	1.2296	0.2664	0.0103	0.0671	-0.0089	0.2300	-0.0175	-0.1047
21	0.1453	0.4198	0.0501	1.1099	0.0965	0.0074	-0.0064	0.0365	0.0127	-0.0491	-0.0343
22	0.0128	0.0369	0.0568	1.1304	0.0091	-0.0015	0.0029	-0.0041	0.0049	0.0002	0.0027
23	0.3106	0.9055	0.0604	1.0766	0.2296	0.0429	0.1234	-0.0909	0.1950	0.0070	-0.1077
24	0.3761	1.0833	0.0340	1.0238	0.2033	0.0972	0.1353	-0.1253	0.0874	-0.0459	-0.1243
25	0.2190	0.6363	0.0581	1.1029	0.1581	0.0429	-0.1128	0.0265	-0.1102	0.0447	0.0185
26	0.008596	0.0257	0.1124	1.2013	0.0091	-0.0029	-0.0026	-0.0005	0.0027	-0.0022	0.0062
27	-0.2061	-0.6018	0.0677	1.1174	-0.1622	-0.1298	0.0772	0.0888	0.0478	0.0301	0.0217
28	-0.4942	-1.4596	0.0717	1.0027	-0.4056	-0.1736	0.2524	0.1496	0.2395	-0.0558	-0.1375
29	-0.2069	-0.6173	0.1070	1.1651	-0.2137	-0.1331	-0.0667	0.1648	-0.1163	-0.0062	0.1034

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Output Statistics

Obs	Residual	RStudent	Hat Diag H	Cov Ratio	DFFITS	DFBETAS					
						Intercept	green	putts	sandshot	sandsave	drive
30	-0.0438	-0.1290	0.0878	1.1677	-0.0400	0.0019	-0.0170	-0.0032	-0.0279	0.0218	0.0156
31	0.4127	1.2050	0.0571	1.0304	0.2964	0.0338	-0.0653	0.0405	0.0909	-0.1875	-0.0262
32	-0.4707	-1.3789	0.0590	1.0036	-0.3453	0.0434	-0.1647	-0.1024	-0.0148	0.1693	0.1288
33	-0.3573	-1.0447	0.0635	1.0616	-0.2720	0.2400	-0.0139	-0.1433	-0.0265	-0.1111	-0.1663
34	0.7232	2.1116	0.0272	0.8276	0.3533	-0.0029	-0.1309	0.1571	0.0178	-0.0560	-0.0388
35	0.4731	1.4023	0.0800	1.0223	0.4135	-0.1140	-0.0690	-0.1107	0.0565	0.0150	0.3018
36	-0.009349	-0.0271	0.0566	1.1302	-0.0066	0.0018	0.0020	-0.0037	0.0051	-0.0018	-0.0014
37	0.0500	0.1485	0.1020	1.1857	0.0500	-0.0278	-0.0289	0.0367	-0.0157	-0.0064	0.0299
38	0.3492	0.9966	0.0178	1.0186	0.1342	0.0138	0.0845	-0.0207	0.0345	-0.0052	-0.0651
39	-0.0469	-0.1343	0.0354	1.1041	-0.0257	-0.0024	-0.0205	0.0112	-0.0132	0.0045	0.0096
40	0.1712	0.5009	0.0730	1.1318	0.1405	-0.0920	-0.0177	0.1227	-0.0466	0.0600	0.0272
41	0.6162	1.8194	0.0597	0.9193	0.4584	-0.0671	-0.1325	0.1593	-0.1058	-0.3068	0.1176
42	-0.1146	-0.3316	0.0540	1.1192	-0.0792	0.0220	0.0148	-0.0318	-0.0051	-0.0626	-0.0009
43	0.1888	0.5429	0.0398	1.0895	0.1105	-0.0014	0.0595	-0.0450	0.0124	-0.0366	0.0060
44	-0.5932	-1.7140	0.0220	0.9047	-0.2571	0.1129	-0.0803	-0.0964	0.0522	-0.0702	-0.0137
45	0.3958	1.1969	0.1213	1.1071	0.4447	-0.2050	0.1915	-0.0649	0.0669	0.1987	0.1635
46	-0.2079	-0.6034	0.0565	1.1039	-0.1476	-0.0332	-0.0208	-0.0250	-0.0257	-0.0524	0.0973
47	-0.7052	-2.0446	0.0162	0.8325	-0.2624	-0.0015	-0.0549	0.0973	-0.0431	-0.0654	-0.0361
48	-0.6543	-1.9671	0.0879	0.9154	-0.6106	0.4541	0.3256	-0.4118	0.1693	-0.1855	-0.4926
49	-0.3406	-0.9825	0.0390	1.0428	-0.1978	-0.1597	0.0001	0.1557	-0.0177	0.0680	0.0640
50	0.1681	0.4855	0.0483	1.1035	0.1093	-0.0621	0.0109	0.0847	-0.0240	0.0398	-0.0012
51	0.2003	0.5837	0.0645	1.1151	0.1533	0.0690	-0.0396	0.0025	-0.0916	0.0455	-0.0526
52	-0.2581	-0.7363	0.0215	1.0524	-0.1091	-0.0120	0.0444	-0.0288	0.0535	0.0415	-0.0098
53	0.0257	0.0754	0.0829	1.1622	0.0227	0.0128	-0.0142	-0.0061	-0.0145	-0.0086	0.0033
54	0.006045	0.0174	0.0459	1.1175	0.0038	0.0017	0.0002	-0.0010	0.0019	-0.0022	-0.0017
55	-0.3950	-1.1420	0.0397	1.0213	-0.2322	-0.0634	-0.0493	-0.0084	0.0650	0.1365	0.0908
56	0.2156	0.6225	0.0462	1.0904	0.1370	0.0173	0.1113	-0.0501	0.0480	0.0212	-0.0700
57	-0.0696	-0.1997	0.0398	1.1076	-0.0407	-0.0210	-0.0238	0.0201	-0.0048	0.0199	0.0246
58	-0.1946	-0.5724	0.0818	1.1371	-0.1709	0.0625	-0.0842	0.0460	-0.0591	-0.0600	-0.0475

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Output Statistics

Obs	Residual	RStudent	Hat Diag H	Cov Ratio	DFFITS	DFBETAS					
						Intercept	green	putts	sandshot	sandsave	drive
59	0.6365	1.8513	0.0299	0.8846	0.3247	-0.1450	-0.0053	0.0306	0.1271	0.1658	0.1250
60	-0.6490	-1.8910	0.0318	0.8782	-0.3429	-0.0387	0.1395	0.0328	0.1925	-0.1774	-0.1025
61	-0.0380	-0.1136	0.1150	1.2038	-0.0409	-0.0014	0.0315	0.0056	0.0076	-0.0037	-0.0277
62	-0.7264	-2.1717	0.0695	0.8516	-0.5935	-0.0971	0.2379	-0.1694	0.0838	-0.3046	0.1441
63	0.2227	0.6482	0.0616	1.1060	0.1661	-0.0159	0.0668	0.0566	0.0309	0.0735	-0.0971
64	0.4984	1.4818	0.0833	1.0112	0.4466	0.0764	-0.1933	0.0889	0.1279	-0.1025	-0.0597
65	0.0698	0.1982	0.0190	1.0842	0.0276	0.0018	-0.0025	0.0046	-0.0130	0.0110	-0.0031
66	0.3333	0.9940	0.1009	1.1131	0.3330	-0.1203	-0.1718	0.0938	0.0321	0.2137	0.1641
67	0.1675	0.4820	0.0415	1.0959	0.1002	-0.0338	0.0002	0.0548	-0.0126	0.0702	-0.0118
68	0.2911	0.8382	0.0381	1.0596	0.1669	-0.0303	-0.0096	-0.0158	-0.0716	-0.0334	0.0890
69	-0.5135	-1.5345	0.0912	1.0098	-0.4861	-0.1278	0.1955	0.2430	-0.0985	-0.0744	-0.1648
70	-0.1343	-0.3975	0.0956	1.1670	-0.1292	0.0980	0.0051	-0.0644	-0.0085	0.0247	-0.0817
71	-0.0152	-0.0437	0.0414	1.1121	-0.0091	-0.0045	-0.0037	0.0053	0.0019	0.0021	0.0031
72	0.1954	0.5684	0.0617	1.1130	0.1458	-0.0246	0.0210	-0.0187	-0.0675	0.0557	0.0458
73	0.4219	1.2218	0.0411	1.0107	0.2530	0.0093	-0.0230	-0.0518	-0.1010	0.1578	0.0560
74	0.0638	0.1844	0.0525	1.1229	0.0434	-0.0070	-0.0004	-0.0045	0.0285	-0.0130	0.0102
75	-0.3312	-0.9620	0.0525	1.0605	-0.2265	-0.1894	-0.0121	0.1174	0.0628	0.0799	0.1293
76	0.6016	1.8091	0.0940	0.9563	0.5826	0.3355	0.1612	-0.2558	-0.1161	-0.4273	-0.2383
77	-0.3303	-0.9780	0.0876	1.0991	-0.3030	-0.1466	0.2078	0.1244	0.0469	0.0471	-0.0874
78	-0.1359	-0.3960	0.0671	1.1314	-0.1062	0.0536	-0.0633	0.0058	-0.0635	-0.0293	-0.0154
79	-0.1880	-0.5356	0.0222	1.0706	-0.0808	0.0058	-0.0367	-0.0124	0.0061	-0.0244	0.0310
80	-0.0236	-0.0691	0.0799	1.1585	-0.0204	0.0083	-0.0026	-0.0089	0.0001	0.0119	-0.0034
81	-0.5670	-1.6450	0.0322	0.9275	-0.2999	-0.0047	0.1696	-0.1521	0.0785	0.0163	0.0013
82	-0.7285	-2.1748	0.0667	0.8484	-0.5814	-0.5355	0.0206	0.4278	-0.0114	0.1920	0.2871
83	0.1192	0.3400	0.0253	1.0859	0.0548	0.0062	0.0039	0.0172	0.0113	-0.0108	-0.0277
84	0.2221	0.6483	0.0669	1.1123	0.1736	-0.0326	-0.0206	0.1030	-0.1130	0.0011	-0.0086
85	0.3525	1.0434	0.0858	1.0877	0.3197	0.1747	-0.1050	-0.0034	0.0315	-0.1062	-0.1504
86	0.3365	0.9904	0.0767	1.0844	0.2855	0.1382	-0.0468	-0.1105	-0.0429	-0.2450	-0.0006
87	-0.1526	-0.4348	0.0228	1.0780	-0.0665	-0.0046	0.0177	0.0109	-0.0229	-0.0171	-0.0100

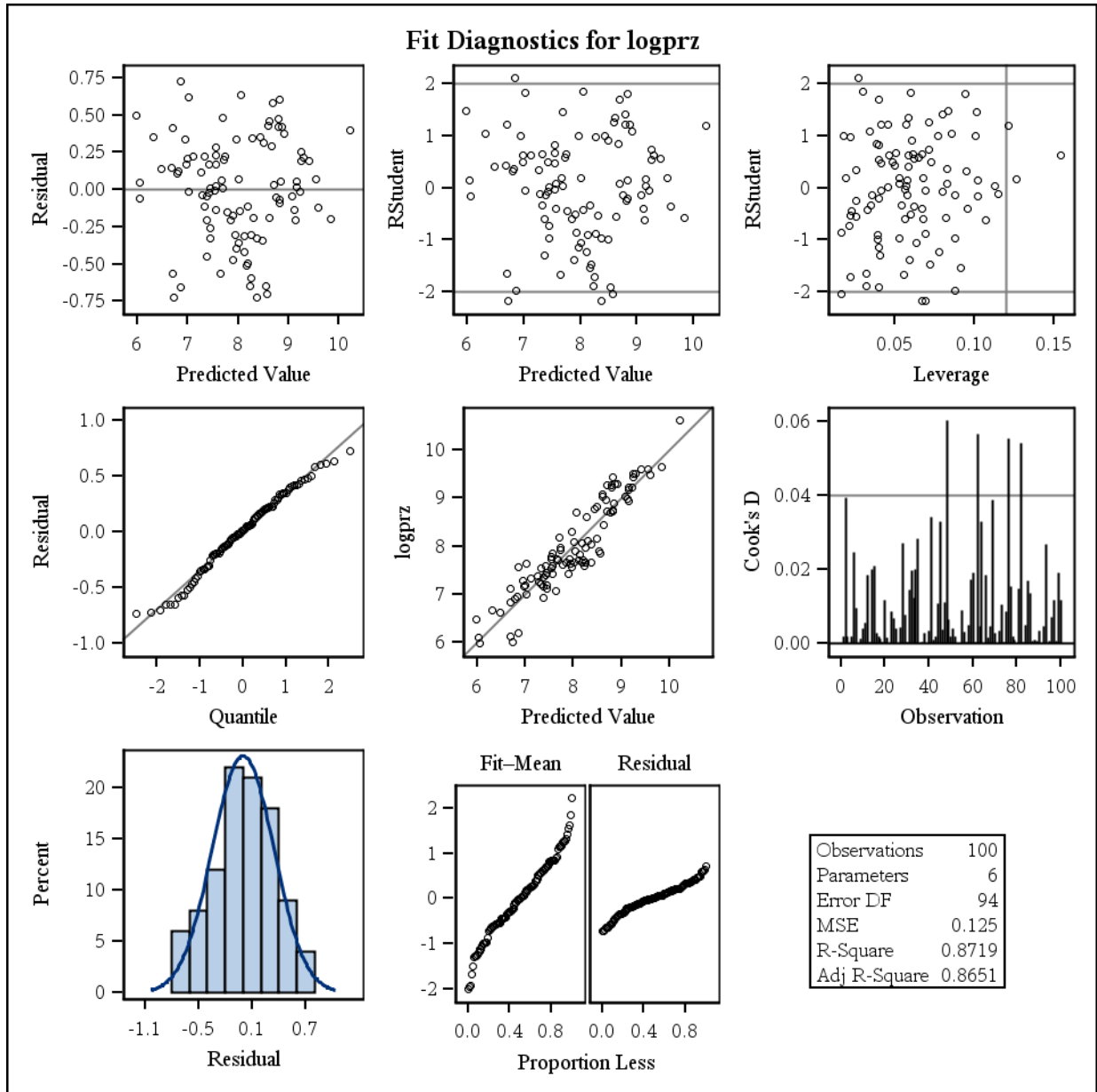
The REG Procedure
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Output Statistics

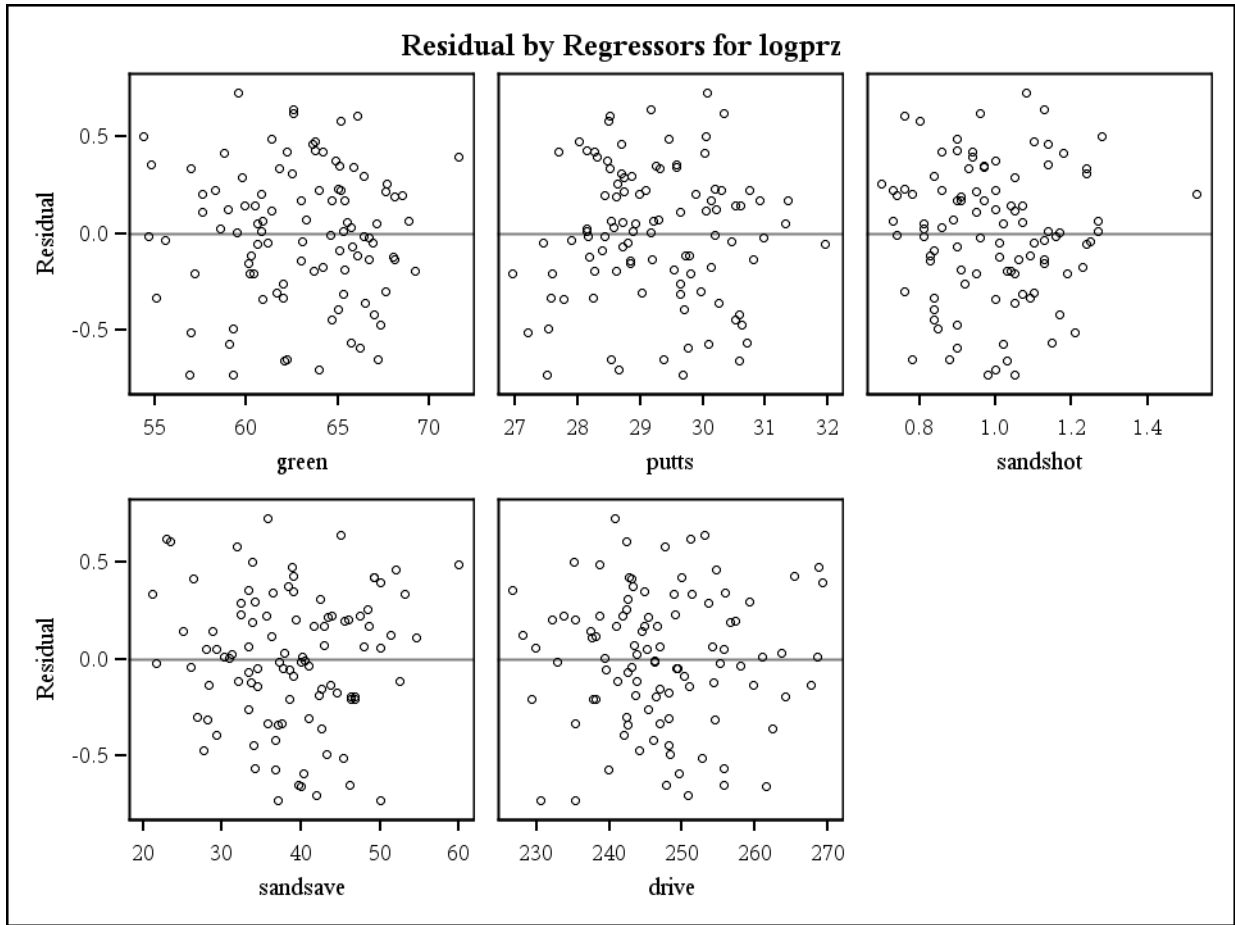
Obs	Residual	RStudent	Hat Diag H	Cov Ratio	DFFITS	DFBETAS					
						Intercept	green	putts	sandshot	sandsave	drive
88	-0.1441	-0.4126	0.0327	1.0903	-0.0759	-0.0135	0.0346	0.0061	0.0536	0.0187	-0.0292
89	-0.1153	-0.3303	0.0347	1.0968	-0.0626	-0.0086	-0.0212	-0.0054	0.0174	0.0267	0.0231
90	0.3425	0.9795	0.0221	1.0252	0.1471	-0.0829	0.0283	0.0351	0.0010	-0.0049	0.0647
91	0.0298	0.0860	0.0526	1.1250	0.0203	-0.0059	-0.0050	-0.0013	-0.0088	0.0012	0.0152
92	0.2853	0.8221	0.0401	1.0636	0.1680	0.0176	-0.1015	-0.0248	-0.0244	-0.0629	0.0910
93	-0.5666	-1.6649	0.0558	0.9468	-0.4048	0.2889	-0.1231	-0.1988	-0.1949	0.0288	-0.0860
94	-0.0505	-0.1464	0.0575	1.1298	-0.0362	-0.0210	-0.0024	0.0295	-0.0127	0.0154	0.0031
95	-0.0575	-0.1708	0.1020	1.1852	-0.0576	0.0290	-0.0000	-0.0428	-0.0200	-0.0079	0.0059
96	0.2547	0.7458	0.0713	1.1078	0.2066	0.0351	0.0683	-0.0297	-0.0845	0.0835	-0.0607
97	0.4213	1.2230	0.0457	1.0154	0.2677	0.1329	0.0126	-0.1539	-0.0204	0.1161	-0.0570
98	0.0547	0.1645	0.1263	1.2182	0.0625	0.0193	0.0446	-0.0197	0.0319	0.0140	-0.0498
99	0.5810	1.6935	0.0395	0.9252	0.3434	0.1639	0.0377	-0.1484	-0.1397	-0.1759	-0.0471
100	-0.4476	-1.2969	0.0403	0.9978	-0.2658	0.1013	0.0513	-0.1754	0.1478	0.0227	-0.0543

Sum of Residuals	0
Sum of Squared Residuals	11.74995
Predicted Residual SS (PRESS)	13.20783

The REG Procedure
Model: MODEL1



The REG Procedure
Model: MODEL1



The UNIVARIATE Procedure
Variable: e (Residual)

Moments			
N	100	Sum Weights	100
Mean	0	Sum Observations	0
Std Deviation	0.34450891	Variance	0.11868639
Skewness	-0.2250076	Kurtosis	-0.5211499
Uncorrected SS	11.7499526	Corrected SS	11.7499526
Coeff Variation	.	Std Error Mean	0.03445089

Basic Statistical Measures			
Location		Variability	
Mean	0.000000	Std Deviation	0.34451
Median	0.010674	Variance	0.11869
Mode	.	Range	1.45168
		Interquartile Range	0.43263

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	0	Pr > t	1.0000
Sign	M	2	Pr >= M	0.7644
Signed Rank	S	79	Pr >= S	0.7874

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	0.7231576
99%	0.6798388
95%	0.5397380
90%	0.4242735
75% Q3	0.2260974
50% Median	0.0106737
25% Q1	-0.2065348
10%	-0.5038765
5%	-0.6500431

The UNIVARIATE Procedure
Variable: e (Residual)

Quantiles (Definition 5)	
Quantile	Estimate
1%	-0.7274677
0% Min	-0.7285181

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-0.728518	82	0.581044	99
-0.726417	62	0.601606	76
-0.705175	47	0.616221	41
-0.654309	48	0.636520	59
-0.651076	6	0.723158	34