APPENDIX 7

203.3   7.000   22.00
Paradise

Valid cases:	18	Dependent variable:		Y
Missing cases:	0	Deletion method:		None
Total SS:	80121.687	Degrees of freedom:		13
R-squared:	0.997	Rbar-squared:		0.996
Residual SS:	256.984	Std error of est:		4.446
$F_{(5,13)}$:	808.021	Probability of F:		0.000

Variable	Estimate	Standard Error	t-value	Prob $> |t|$	Standardized Estimate	Cor with Dep Var
Soil	5.989476	0.482558	12.411921	0.000	0.452044	0.923868
Coal fired	5.406166	0.406595	13.296181	0.000	0.484302	0.926194
Burn	9.027874	0.745428	12.110999	0.000	0.225027	0.364874
Lime	1.630425	0.123059	13.249108	0.000	0.177386	0.196668
Trans	0.589023	0.168922	3.486960	0.004	0.064391	0.225254

	Measured	Predicted	Soil	Coal fired	Burn	Lime	Trans
b_{abs}	74.43	74.19	0.000	0.000	0.7057	0.01020	0.2841
br	2.640	1.252	0.000	0.000	0.2164	0.03126	0.7524
cu	0.5800	1.171	0.000	0.1431	0.8479	0.006961	0.002012
fe	83.38	86.69	0.4477	0.5295	0.02083	0.0007711	0.001203
k	68.68	69.86	0.1063	0.1009	0.7624	0.03032	4.216E-05
mn	2.610	0.9549	0.6210	0.2434	0.03782	0.02561	0.07217
na	61.11	61.20	0.000	0.000	0.03540	0.9646	0.000
pb	2.650	4.350	0.000	0.04474	0.06226	0.006747	0.8863
v	0.000	0.9932	0.4583	0.4300	0.000	0.1116	0.000
zn	3.400	0.6346	0.3020	0.5879	0.000	0.01542	0.09468
si	270.7	272.4	0.5166	0.4730	0.009941	0.0002274	0.0001946
al	120.5	116.9	0.2479	0.7248	0.02625	0.0008922	0.0001964
ca	45.71	31.48	0.6545	0.2121	0.1147	0.01771	0.0009543
ti	7.890	10.92	0.5166	0.4787	0.004133	0.0005971	0.000
zr	0.000	0.4304	0.000	0.9545	0.000	0.04545	0.000
ni	0.3400	0.5039	0.3685	0.5257	0.000	0.1035	0.002338
as	0.000	0.4428	0.000	0.9890	0.000	0.01105	0.000
se	0.1500	0.1995	0.000	0.9755	0.000	0.02452	0.000

203.8   7.000   22.00
Paradise

Valid cases:	18	Dependent variable:		Y
Missing cases:	0	Deletion method:		None
Total SS:	13678.585	Degrees of freedom:		14
R-squared:	0.989	Rbar-squared:		0.987
Residual SS:	149.686	Std error of est:		3.270
$F_{(4,14)}$:	316.337	Probability of F:		0.000

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	3.478587	0.354891	9.801847	0.000	0.642458	0.929478
Coal fired	1.288526	0.299024	4.309104	0.000	0.282469	0.904647
Burn	4.361421	0.546629	7.978760	0.000	0.266028	0.417128
Trans	0.369902	0.124114	2.980331	0.010	0.098953	0.285664

	Measured	Predicted	Soil	Coal fired	Burn	Trans
b_{abs}	38.85	38.53	0.000	0.000	0.6565	0.3435
br	1.860	0.7223	0.000	0.000	0.1811	0.8189
cu	2.220	0.5212	0.000	0.07664	0.9205	0.002839
fe	34.47	34.42	0.6549	0.3179	0.02534	0.001902
k	30.66	31.73	0.1360	0.05296	0.8110	5.829E-05
mn	1.180	0.4605	0.7478	0.1203	0.03788	0.09398
na	0.000	1.047	0.000	0.000	1.000	0.000
pb	0.4400	2.598	0.000	0.01785	0.05036	0.9318
v	0.000	0.3662	0.7220	0.2780	0.000	0.000
zn	3.240	0.2380	0.4678	0.3736	0.000	0.1586
si	111.8	113.8	0.7183	0.2699	0.01150	0.0002925
al	40.81	38.54	0.4369	0.5243	0.03848	0.0003744
ca	26.21	15.32	0.7810	0.1039	0.1139	0.001231
ti	3.490	4.545	0.7210	0.2742	0.004798	0.000
zr	0.000	0.09793	0.000	1.000	0.000	0.000
ni	0.000	0.1717	0.6280	0.3677	0.000	0.004308
as	0.000	0.1044	0.000	1.000	0.000	0.000
se	0.1500	0.04639	0.000	1.000	0.000	0.000

204.3   7.000   23.00

Valid cases:	18	Dependent variable:		Y	
Missing cases:	0	Deletion method:		None	
Total SS:	14685.566	Degrees of freedom:		13	
R-squared:	0.998	Rbar-squared:		0.998	
Residual SS:	24.469	Std error of est:		1.372	
F(5,13):	1557.864	Probability of F:		0.000	

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	3.662507	0.148903	24.596670	0.000	0.637104	0.881196
Coal fired	1.161501	0.125463	9.257734	0.000	0.239820	0.853538
Burn	3.679964	0.230016	15.998736	0.000	0.211413	0.407028
Lime	1.256547	0.037972	33.091181	0.000	0.315092	0.334350
Trans	0.558415	0.052124	10.713210	0.000	0.140699	0.293659

	Measured	Predicted	Soil	Coal fired	Burn	Lime	Trans
b_{abs}	42.33	41.91	0.000	0.000	0.5093	0.01391	0.4768
br	2.150	1.033	0.000	0.000	0.1068	0.02918	0.8640
cu	0.4500	0.4493	0.000	0.08014	0.9009	0.01398	0.004971
fe	33.53	34.48	0.6883	0.2860	0.02134	0.001494	0.002866
k	28.77	29.40	0.1545	0.05151	0.7384	0.05551	9.496E-05
mn	1.630	0.5114	0.7090	0.09766	0.02878	0.03685	0.1277
na	46.37	46.38	0.000	0.000	0.01904	0.9810	0.000
pb	1.190	3.830	0.000	0.01092	0.02883	0.005906	0.9543
v	0.000	0.4556	0.6110	0.2014	0.000	0.1876	0.000
zn	1.370	0.2618	0.4476	0.3061	0.000	0.02879	0.2175
si	114.6	115.0	0.7487	0.2408	0.009603	0.0004154	0.0004372
al	38.16	37.29	0.4754	0.4884	0.03355	0.002157	0.0005840
ca	19.23	15.96	0.7892	0.08986	0.09221	0.02692	0.001784
ti	3.890	4.597	0.7506	0.2443	0.004003	0.001093	0.000
zr	0.000	0.1034	0.000	0.8541	0.000	0.1459	0.000
ni	0.1500	0.2118	0.5361	0.2687	0.000	0.1899	0.005274
as	0.000	0.09785	0.000	0.9615	0.000	0.03852	0.000
se	0.1800	0.04558	0.000	0.9173	0.000	0.08270	0.000

204.8   7.000   23.00

Valid cases:	18	Dependent variable:			Y	
Missing cases:	0	Deletion method:			None	
Total SS:	973.840	Degrees of freedom:			14	
R-squared:	0.982	Rbar-squared:			0.978	
Residual SS:	17.349	Std error of est:			1.113	
F(4,14):	192.958	Probability of F:			0.000	

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	1.147932	0.044604	25.735965	0.000	0.753305	0.773904
Burn	0.902405	0.186579	4.836573	0.000	0.195575	0.509436
Lime	0.406465	0.030811	13.192069	0.000	0.384507	0.404640
Trans	0.339346	0.042289	8.024507	0.000	0.322552	0.464955

	Measured	Predicted	Soil	Burn	Lime	Trans
b_{abs}	17.73	17.57	0.000	0.2980	0.01074	0.6913
br	0.000	0.5794	0.000	0.04672	0.01684	0.9364
cu	0.8400	0.1027	0.000	0.9670	0.01980	0.01322
fe	6.600	7.696	0.9666	0.02345	0.002165	0.007805
k	6.940	7.277	0.1956	0.7316	0.07255	0.0002332
mn	0.3700	0.1631	0.6970	0.02214	0.03739	0.2435
na	14.92	14.93	0.000	0.01450	0.9855	0.000
pb	1.450	2.255	0.000	0.01200	0.003244	0.9848
v	0.000	0.1149	0.7594	0.000	0.2406	0.000
zn	2.610	0.07379	0.4978	0.000	0.03305	0.4691
si	27.08	27.29	0.9884	0.009919	0.0005659	0.001119
al	6.470	5.902	0.9414	0.05198	0.004408	0.002242
ca	7.150	4.466	0.8842	0.08082	0.03113	0.003875
ti	1.570	1.087	0.9944	0.004149	0.001495	0.000
zr	0.4200	0.004878	0.000	0.000	1.000	0.000
ni	0.000	0.04927	0.7222	0.000	0.2640	0.01377
as	0.000	0.001219	0.000	0.000	1.000	0.000
se	0.1100	0.001219	0.000	0.000	1.000	0.000

205.3   7.000   24.00

Valid cases:	18	Dependent variable:		Y
Missing cases:	0	Deletion method:		None
Total SS:	255.894	Degrees of freedom:		15
R-squared:	0.949	Rbar-squared:		0.942
Residual SS:	13.178	Std error of est:		0.937
F(3,15):	92.091	Probability of F:		0.000

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	0.452376	0.037555	12.045570	0.000	0.617657	0.657204
Burn	0.943158	0.156642	6.021113	0.000	0.425294	0.733276
Trans	0.185771	0.035573	5.222295	0.000	0.367391	0.662349

	Measured	Predicted	Soil	Burn	Trans
b_{abs}	12.24	12.12	0.000	0.4514	0.5486
br	0.000	0.3253	0.000	0.08697	0.9130
cu	0.000	0.1045	0.000	0.9929	0.007112
fe	2.580	3.153	0.9297	0.05983	0.01043
k	6.090	6.127	0.09156	0.9083	0.0001516
mn	0.000	0.07029	0.6371	0.05367	0.3092
na	0.000	0.2264	0.000	1.000	0.000
pb	0.6200	1.244	0.000	0.02274	0.9773
v	0.7000	0.03438	1.000	0.000	0.000
zn	2.050	0.03342	0.4331	0.000	0.5669
si	11.48	10.93	0.9726	0.02589	0.001530
al	0.000	2.517	0.8697	0.1274	0.002878
ca	2.910	1.943	0.8009	0.1942	0.004876
ti	0.000	0.4309	0.9891	0.01095	0.000
zr	0.000	0.000	-NAN	-NAN	-NAN
ni	0.000	0.01440	0.9742	0.000	0.02581
as	0.000	0.000	-NAN	-NAN	-NAN
se	0.000	0.000	-NAN	-NAN	-NAN

207.8   7.000   26.00

Valid cases:	18	Dependent variable:		Y
Missing cases:	0	Deletion method:		None
Total SS:	233.858	Degrees of freedom:		13
R-squared:	0.930	Rbar-squared:		0.909
Residual SS:	16.306	Std error of est:		1.120
$F(5,13)$:	34.688	Probability of F:		0.000

Variable	Estimate	Standard Error	t-value	Prob $> \lvert t \rvert$	Standardized Estimate	Cor with Dep Var
Soil	0.008995	0.121555	0.073996	0.942	0.011831	0.519282
Coarl fired	0.323534	0.102420	3.158892	0.008	0.505145	0.553848
Burn	0.885714	0.187771	4.716987	0.000	0.384778	0.741385
Lime	0.149453	0.030998	4.821345	0.000	0.283395	0.315491
Trans	0.222691	0.042551	5.233516	0.000	0.424292	0.694707

	Measured	Predicted	Soil	Coal fired	Burn	Lime	Trans
b_{abs}	13.39	13.17	0.000	0.000	0.3899	0.005264	0.6048
br	0.000	0.3862	0.000	0.000	0.06879	0.009287	0.9219
cu	0.000	0.1091	0.000	0.09193	0.8931	0.006850	0.008165
fe	2.030	3.028	0.01925	0.9072	0.05850	0.002024	0.01302
k	5.480	5.854	0.001905	0.07207	0.8927	0.03316	0.0001902
mn	0.8600	0.04664	0.01909	0.2983	0.07596	0.04806	0.5586
na	5.610	5.624	0.000	0.000	0.03780	0.9622	0.000
pb	0.4200	1.498	0.000	0.007773	0.01773	0.001795	0.9727
v	0.000	0.03641	0.01878	0.7021	0.000	0.2792	0.000
zn	0.5000	0.04622	0.006227	0.4830	0.000	0.01940	0.4914
si	7.870	8.215	0.02573	0.9388	0.03235	0.0006913	0.002440
al	6.180	5.436	0.008009	0.9332	0.05540	0.001760	0.001598
ca	3.530	0.8473	0.03652	0.4716	0.4182	0.06033	0.01340
ti	2.570	0.3264	0.02596	0.9586	0.01357	0.001832	0.000
zr	0.1900	0.02638	0.000	0.9320	0.000	0.06798	0.000
ni	0.000	0.02136	0.01305	0.7422	0.000	0.2239	0.02085
as	0.000	0.02665	0.000	0.9832	0.000	0.01682	0.000
se	0.000	0.01210	0.000	0.9629	0.000	0.03707	0.000

208.3   7.000   27.00

Valid cases:	18	Dependent variable:		Y
Missing cases:	0	Deletion method:		None
Total SS:	7453.573	Degrees of freedom:		13
R-squared:	0.987	Rbar-squared:		0.983
Residual SS:	96.060	Std error of est:		2.718
F(5,13):	199.141	Probability of F:		0.000

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	1.707923	0.295032	5.788949	0.000	0.396674	0.684038
Coal fired	0.969387	0.248589	3.899565	0.002	0.267237	0.675158
Burn	5.242804	0.455747	11.503748	0.000	0.402147	0.648343
Lime	1.135787	0.075237	15.096067	0.000	0.380267	0.411911
Trans	0.701206	0.103277	6.789559	0.000	0.235892	0.520017

	Measured	Predicted	Soil	Coal fired	Burn	Lime	Trans
b_{abs}	56.49	56.03	0.000	0.000	0.5428	0.009406	0.4478
br	1.410	1.306	0.000	0.000	0.1205	0.02088	0.8587
cu	0.9600	0.6152	0.000	0.04884	0.9374	0.009230	0.004559
fe	23.47	20.52	0.5394	0.4012	0.05111	0.002270	0.006049
k	34.86	35.79	0.05917	0.03532	0.8642	0.04122	9.795E-05
mn	1.390	0.3308	0.5111	0.1260	0.06339	0.05150	0.2480
na	42.35	42.39	0.000	0.000	0.02969	0.9703	0.000
pb	2.010	4.802	0.000	0.007267	0.03275	0.004257	0.9557
v	0.000	0.2836	0.4577	0.2700	0.000	0.2723	0.000
zn	5.880	0.1999	0.2734	0.3346	0.000	0.03409	0.3578
si	63.07	64.92	0.6182	0.3559	0.02423	0.0006648	0.0009721
al	26.15	25.35	0.3261	0.5996	0.07032	0.002868	0.001079
ca	15.95	9.594	0.6124	0.1248	0.2186	0.04049	0.003728
ti	2.090	2.577	0.6243	0.3638	0.01017	0.001763	0.000
zr	0.000	0.08730	0.000	0.8439	0.000	0.1561	0.000
ni	0.4100	0.1382	0.3831	0.3437	0.000	0.2630	0.01015
as	0.3100	0.08193	0.000	0.9584	0.000	0.04159	0.000
se	0.1600	0.03831	0.000	0.9110	0.000	0.08895	0.000

208.8   7.000   27.00

Valid cases:	18	Dependent variable:			Y
Missing cases:	0	Deletion method:			None
Total SS:	7200.626	Degrees of freedom:			14
R-squared:	0.975	Rbar-squared:			0.969
Residual SS:	183.421	Std error of est:			3.620
$F_{(4,14)}$:	133.901	Probability of F:			0.000

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Coal fired	2.432480	0.122199	19.905824	0.000	0.686100	0.723172
Burn	4.927052	0.606726	8.120715	0.000	0.386676	0.672360
Lime	0.615076	0.100183	6.139541	0.000	0.210697	0.242083
Trans	0.888148	0.137506	6.458989	0.000	0.305697	0.577207

	Measured	Predicted	Coal fired	Burn	Lime	Trans
b_{abs}	61.37	60.64	0.000	0.4712	0.004706	0.5241
br	1.690	1.583	0.000	0.09339	0.009327	0.8973
cu	0.000	0.6240	0.1208	0.8685	0.004928	0.005693
fe	26.51	21.82	0.9465	0.04516	0.001156	0.007204
k	31.63	33.04	0.09599	0.8797	0.02418	0.0001344
mn	1.370	0.2374	0.4405	0.08300	0.03886	0.4376
na	23.41	23.45	0.000	0.05042	0.9496	0.000
pb	1.830	6.059	0.01445	0.02439	0.001827	0.9593
v	0.000	0.2340	0.8213	0.000	0.1787	0.000
zn	4.890	0.2621	0.6403	0.000	0.01408	0.3456
si	54.48	59.56	0.9735	0.02482	0.0003924	0.001342
al	44.55	39.89	0.9561	0.04200	0.0009869	0.0008684
ca	13.60	5.231	0.5743	0.3768	0.04022	0.008660
ti	1.990	2.379	0.9886	0.01035	0.001034	0.000
zr	0.000	0.1922	0.9616	0.000	0.03839	0.000
ni	0.1600	0.1407	0.8474	0.000	0.1399	0.01263
as	0.4200	0.1989	0.9907	0.000	0.009278	0.000
se	0.1100	0.08941	0.9794	0.000	0.02064	0.000

209.8   7.000   28.00

Valid cases:	18	Dependent variable:		Y
Missing cases:	0	Deletion method:		None
Total SS:	7606.611	Degrees of freedom:		13
R-squared:	0.998	Rbar-squared:	0.997	
Residual SS:	17.647	Std error of est:	1.165	
F(5,13):	1118.114	Probability of F:	0.000	

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	2.032992	0.126454	16.076951	0.000	0.473984	0.751739
Coal fired	0.919945	0.106548	8.634101	0.000	0.254580	0.736632
Burn	5.622817	0.195338	28.785005	0.000	0.432951	0.621046
Lime	0.978103	0.032248	30.331094	0.000	0.328730	0.361532
Trans	0.437659	0.044266	9.887085	0.000	0.147797	0.452706

	Measured	Predicted	Soil	Coal fired	Burn	Lime	Trans
b_{abs}	48.94	48.73	0.000	0.000	0.6693	0.009314	0.3214
br	1.800	0.8920	0.000	0.000	0.1891	0.02632	0.7846
cu	0.000	0.6537	0.000	0.04363	0.9462	0.007482	0.002678
fe	22.40	22.23	0.5927	0.3514	0.05059	0.001804	0.003485
k	37.78	38.17	0.06605	0.03143	0.8692	0.03329	5.733E-05
mn	1.350	0.3292	0.6114	0.1202	0.06832	0.04457	0.1556
na	36.75	36.77	0.000	0.000	0.03670	0.9633	0.000
pb	1.630	3.084	0.000	0.01074	0.05470	0.005709	0.9289
v	0.6600	0.2937	0.5261	0.2475	0.000	0.2265	0.000
zn	2.190	0.1790	0.3634	0.3545	0.000	0.03278	0.2493
si	70.89	71.47	0.6685	0.3068	0.02360	0.0005201	0.0005512
al	26.80	26.25	0.3748	0.5494	0.07282	0.002384	0.0006501
ca	13.47	10.74	0.6514	0.1058	0.2095	0.03116	0.002079
ti	3.570	2.837	0.6751	0.3136	0.009911	0.001379	0.000
zr	0.000	0.08165	0.000	0.8563	0.000	0.1437	0.000
ni	0.2100	0.1403	0.4493	0.3214	0.000	0.2231	0.006240
as	0.5000	0.07745	0.000	0.9621	0.000	0.03789	0.000
se	0.03000	0.03605	0.000	0.9186	0.000	0.08139	0.000

210.3   7.000   29.00

Valid cases:	18	Dependent variable:		Y	
Missing cases:	0	Deletion method:		None	
Total SS:	11196.641	Degrees of freedom:		13	
R-squared:	0.992	Rbar-squared:		0.990	
Residual SS:	88.276	Std error of est:		2.606	
$F(5,13)$:	327.176	Probability of F:		0.000	

Variable	Estimate	Standard Error	t-value	Prob $> \lvert t \rvert$	Standardized Estimate	Cor with Dep Var
Soil	2.607067	0.282825	9.217948	0.000	0.523467	0.898994
Coal fired	1.580187	0.238304	6.630983	0.000	0.376600	0.888943
Burn	4.045508	0.436892	9.259753	0.000	0.268267	0.458940
Lime	0.390353	0.072124	5.412223	0.000	0.112985	0.136007
Trans	0.512752	0.099004	5.179096	0.000	0.149124	0.338735

	Measured	Predicted	Soil	Coal fired	Burn	Lime	Trans
b_{abs}	42.22	41.99	0.000	0.000	0.5588	0.004313	0.4369
br	1.240	0.9506	0.000	0.000	0.1277	0.009855	0.8625
cu	0.3400	0.4980	0.000	0.09837	0.8936	0.003919	0.004119
fe	25.50	31.23	0.5410	0.4297	0.02591	0.0005125	0.002906
k	29.10	29.67	0.1090	0.06945	0.8044	0.01709	8.640E-05
mn	0.8500	0.4081	0.6325	0.1665	0.03965	0.01435	0.1470
na	15.07	15.11	0.000	0.000	0.06428	0.9357	0.000
pb	2.230	3.541	0.000	0.01606	0.03427	0.001984	0.9477
v	0.000	0.3495	0.5669	0.3572	0.000	0.07595	0.000
zn	3.600	0.2471	0.3376	0.4412	0.000	0.009478	0.2117
si	100.5	100.2	0.6114	0.3759	0.01211	0.0001480	0.0004605
al	41.07	38.81	0.3251	0.6383	0.03544	0.0006436	0.0005152
ca	18.61	12.70	0.7063	0.1537	0.1274	0.01051	0.002059
ti	2.800	4.006	0.6131	0.3815	0.005050	0.0003898	0.000
zr	0.000	0.1248	0.000	0.9625	0.000	0.03754	0.000
ni	0.1700	0.1718	0.4705	0.4508	0.000	0.07272	0.005970
as	0.4100	0.1292	0.000	0.9909	0.000	0.009066	0.000
se	0.1700	0.05806	0.000	0.9798	0.000	0.02017	0.000

210.8   7.000   29.00

Valid cases:	18	Dependent variable:	Y			
Missing cases:	0	Deletion method:	None			
Total SS:	6915.710	Degrees of freedom:	13			
R-squared:	0.989	Rbar-squared:	0.986			
Residual SS:	73.345	Std error of est:	2.375			
F(5,13):	242.554	Probability of F:	0.000			

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	1.014559	0.257800	3.935456	0.002	0.250033	0.777350
Coal fired	1.790594	0.217218	8.243325	0.000	0.523784	0.796705
Burn	5.305175	0.398234	13.321767	0.000	0.431794	0.633085
Lime	0.371634	0.065743	5.652868	0.000	0.132027	0.165196
Trans	0.501628	0.090244	5.558580	0.000	0.179062	0.480913

	Measured	Predicted	Soil	Coal fired	Burn	Lime	Trans
b_{abs}	49.03	48.89	0.000	0.000	0.6294	0.003527	0.3671
br	1.540	0.9702	0.000	0.000	0.1640	0.009193	0.8268
cu	0.4200	0.6429	0.000	0.08633	0.9077	0.002890	0.003121
fe	21.53	22.94	0.2865	0.6627	0.04625	0.0006641	0.003870
k	34.74	35.38	0.03556	0.06600	0.8847	0.01365	7.089E-05
mn	0.9900	0.2629	0.3820	0.2928	0.08071	0.02120	0.2232
na	14.68	14.73	0.000	0.000	0.08644	0.9136	0.000
pb	2.550	3.513	0.000	0.01835	0.04530	0.001904	0.9345
v	0.000	0.2438	0.3162	0.5801	0.000	0.1036	0.000
zn	3.060	0.2094	0.1550	0.5900	0.000	0.01065	0.2443
si	67.15	68.18	0.3497	0.6261	0.02334	0.0002071	0.0006622
al	36.65	34.83	0.1410	0.8060	0.05178	0.0006828	0.0005616
ca	15.46	7.976	0.4376	0.2772	0.2660	0.01593	0.003207
ti	2.040	2.715	0.3520	0.6377	0.009769	0.0005475	0.000
zr	0.2100	0.1405	0.000	0.9683	0.000	0.03173	0.000
ni	0.000	0.1321	0.2381	0.6643	0.000	0.09003	0.007595
as	0.3100	0.1462	0.000	0.9924	0.000	0.007628	0.000
se	0.2500	0.06558	0.000	0.9830	0.000	0.01700	0.000

211.3   7.000   30.00

Valid cases:	18	Dependent variable:	Y	
Missing cases:	0	Deletion method:	None	
Total SS:	14702.945	Degrees of freedom:	13	
R-squared:	0.992	Rbar-squared:	0.990	
Residual SS:	113.174	Std error of est:	2.951	
$F_{(5,13)}$:	335.177	Probability of F:	0.000	

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	1.530814	0.320237	4.780259	0.000	0.262947	0.867981
Coal fired	3.041688	0.269826	11.272776	0.000	0.620149	0.893006
Burn	5.275574	0.494683	10.664560	0.000	0.299276	0.471432
Lime	0.677504	0.081665	8.296149	0.000	0.167759	0.192147
Trans	0.478463	0.112100	4.268174	0.000	0.119041	0.330665

	Measured	Predicted	Soil	Coal fired	Burn	Lime	Trans
b_{abs}	48.15	48.03	0.000	0.000	0.6370	0.006545	0.3564
br	1.680	0.9396	0.000	0.000	0.1684	0.01731	0.8143
cu	0.3800	0.6799	0.000	0.1387	0.8535	0.004982	0.002815
4.000	32.86	36.91	0.2687	0.6996	0.02858	0.0007525	0.002294
k	37.21	37.87	0.05012	0.1047	0.8219	0.02324	6.317E-05
mn	1.330	0.3696	0.4101	0.3539	0.05710	0.02750	0.1515
na	25.74	25.80	0.000	0.000	0.04908	0.9509	0.000
pb	2.540	3.412	0.000	0.03210	0.04639	0.003575	0.9179
v	0.5600	0.4027	0.2889	0.5967	0.000	0.1144	0.000
zn	4.040	0.3117	0.1571	0.6733	0.000	0.01304	0.1566
si	109.5	110.1	0.3267	0.6584	0.01437	0.0002338	0.0003910
al	59.46	56.96	0.1301	0.8373	0.03149	0.0007613	0.0003276
ca	19.90	11.39	0.4624	0.3298	0.1853	0.02035	0.002143
ti	3.460	4.412	0.3268	0.6666	0.005978	0.0006142	0.000
zr	0.000	0.2393	0.000	0.9660	0.000	0.03397	0.000
ni	0.2700	0.2191	0.2166	0.6801	0.000	0.09894	0.004367
as	0.3000	0.2484	0.000	0.9918	0.000	0.008182	0.000
se	0.2400	0.1115	0.000	0.9818	0.000	0.01822	0.000

211.8   7.000   30.00

Valid cases:	18	Dependent variable:	Y
Missing cases:	0	Deletion method:	None
Total SS:	16771.857	Degrees of freedom:	13
R-squared:	0.998	Rbar-squared:	0.998
Residual SS:	26.093	Std error of est:	1.417
F(5,13):	1668.631	Probability of F:	0.000

Variable	Estimate	Standard Error	t-value	Prob $> |t|$	Standardized Estimate	Cor with Dep Var
Soil	3.153377	0.153764	20.507836	0.000	0.505096	0.840476
Coal fired	1.708027	0.129559	13.183360	0.000	0.324734	0.828083
Burn	6.671721	0.237526	28.088344	0.000	0.352933	0.538749
Lime	1.009297	0.039212	25.739412	0.000	0.233047	0.261068
Trans	0.603901	0.053826	11.219527	0.000	0.140109	0.389187

	Measured	Predicted	Soil	Coal fired	Burn	Lime	Trans
b_{abs}	61.19	60.77	0.000	0.000	0.6367	0.007706	0.3556
br	2.340	1.190	0.000	0.000	0.1682	0.02036	0.8115
cu	0.3200	0.7943	0.000	0.06666	0.9239	0.006353	0.003041
fe	37.73	36.42	0.5611	0.3982	0.03664	0.001136	0.002935
k	46.24	46.81	0.08352	0.04758	0.8408	0.02801	6.450E-05
mn	1.410	0.4981	0.6267	0.1474	0.05358	0.03039	0.1418
na	38.14	38.15	0.000	0.000	0.04197	0.9580	0.000
pb	1.590	4.232	0.000	0.01453	0.04729	0.004293	0.9339
v	0.000	0.4432	0.5407	0.3044	0.000	0.1548	0.000
zn	2.940	0.2864	0.3523	0.4115	0.000	0.02114	0.2151
si	116.2	116.9	0.6338	0.3482	0.01712	0.0003281	0.0004649
al	44.67	44.40	0.3438	0.6032	0.05109	0.001455	0.0005305
ca	18.38	16.00	0.6779	0.1318	0.1668	0.02157	0.001925
ti	3.700	4.660	0.6375	0.3545	0.007159	0.0008664	0.000
zr	0.2600	0.1419	0.000	0.9147	0.000	0.08534	0.000
ni	0.4000	0.2150	0.4548	0.3894	0.000	0.1503	0.005619
as	0.2900	0.1414	0.000	0.9786	0.000	0.02142	0.000
se	0.3100	0.06452	0.000	0.9531	0.000	0.04693	0.000

212.3   7.000   31.00

Valid cases:	18	Dependent variable:		Y	
Missing cases:	0	Deletion method:		None	
Total SS:	13590.942	Degrees of freedom:		14	
R-squared:	0.998	Rbar-squared:		0.997	
Residual SS:	31.030	Std error of est:		1.489	
$F_{(4,14)}$:	1529.479	Probability of F:		0.000	

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	2.822647	0.161583	17.468730	0.000	0.527102	0.901775
Coal fired	1.707870	0.136146	12.544358	0.000	0.378554	0.891669
Burn	3.925305	0.248882	15.771769	0.000	0.242085	0.460814
Trans	0.738252	0.056510	13.064184	0.000	0.199685	0.369875

	Measured	Predicted	Soil	Coal fired	Burn	Trans
b_{abs}	49.87	49.18	0.000	0.000	0.4629	0.5371
br	1.640	1.298	0.000	0.000	0.09071	0.9093
cu	0.000	0.4877	0.000	0.1086	0.8854	0.006055
fe	31.36	33.71	0.5426	0.4302	0.02329	0.003877
k	28.14	28.89	0.1212	0.07709	0.8016	0.0001278
mn	0.9500	0.4550	0.6142	0.1614	0.03451	0.1899
na	0.000	0.9421	0.000	0.000	1.000	0.000
pb	1.190	5.011	0.000	0.01227	0.02350	0.9642
v	0.000	0.3494	0.6139	0.3861	0.000	0.000
zn	1.520	0.2835	0.3186	0.4157	0.000	0.2656
si	108.5	108.3	0.6126	0.3760	0.01087	0.0006136
al	42.73	41.80	0.3268	0.6406	0.03193	0.0006888
ca	15.77	13.43	0.7232	0.1571	0.1169	0.002804
ti	3.760	4.330	0.6141	0.3814	0.004533	0.000
zr	0.000	0.1298	0.000	1.000	0.000	0.000
ni	0.1900	0.1727	0.5068	0.4847	0.000	0.008551
as	0.000	0.1383	0.000	1.000	0.000	0.000
se	0.000	0.06148	0.000	1.000	0.000	0.000

212.8　7.000　31.00

Valid cases:	18	Dependent variable:			Y
Missing cases:	0	Deletion method:			None
Total SS:	1924.138	Degrees of freedom:			14
R-squared:	0.961	Rbar-squared:			0.953
Residual SS:	75.205	Std error of est:			2.318
$F_{(4,14)}$:	86.048	Probability of F:			0.000

Variable	Estimate	Standard Error	t-value	Prob $> |t|$	Standardized Estimate	Cor with Dep Var
Soil	1.354715	0.092866	14.587848	0.000	0.672728	0.694500
Burn	1.254388	0.388459	3.229142	0.006	0.205722	0.589652
Lime	0.477531	0.064149	7.444053	0.000	0.341837	0.363722
Trans	0.610183	0.088045	6.930345	0.000	0.438888	0.587406

	Measured	Predicted	Soil	Burn	Lime	Trans
b_{abs}	29.94	29.33	0.000	0.2480	0.007554	0.7444
br	0.6500	1.025	0.000	0.03672	0.01118	0.9521
cu	0.000	0.1428	0.000	0.9662	0.01672	0.01709
fe	6.500	9.157	0.9587	0.02740	0.002138	0.01179
k	9.550	9.704	0.1731	0.7627	0.06392	0.0003144
mn	0.000	0.2177	0.6161	0.02305	0.03290	0.3280
na	17.61	17.59	0.000	0.01711	0.9829	0.000
pb	0.8800	4.040	0.000	0.009315	0.002128	0.9886
v	0.7600	0.1354	0.7602	0.000	0.2398	0.000
zn	1.230	0.1085	0.3997	0.000	0.02642	0.5739
si	34.60	32.29	0.9861	0.01166	0.0005621	0.001701
al	0.000	7.038	0.9317	0.06060	0.004343	0.003381
ca	4.690	5.356	0.8700	0.09367	0.03049	0.005810
ti	0.5400	1.284	0.9936	0.004883	0.001487	0.000
zr	0.000	0.005730	0.000	0.000	1.000	0.000
ni	0.2100	0.05850	0.7179	0.000	0.2612	0.02086
as	0.000	0.001433	0.000	0.000	1.000	0.000
se	0.05000	0.001433	0.000	0.000	1.000	0.000

213.3   8.000   1.000

Valid cases:	18	Dependent variable:		Y	
Missing cases:	0	Deletion method:		None	
Total SS:	7592.130	Degrees of freedom:		14	
R-squared:	0.969	Rbar-squared:		0.962	
Residual SS:	235.390	Std error of est:		4.100	
F(4,14):	109.387	Probability of F:		0.000	

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	2.468137	0.164296	15.022532	0.000	0.604657	0.640347
Burn	4.491612	0.687249	6.535639	0.000	0.363411	0.651471
Lime	1.176727	0.113491	10.368466	0.000	0.415568	0.445462
Trans	0.849667	0.155767	5.454740	0.000	0.301503	0.559139

	Measured	Predicted	Soil	Burn	Lime	Trans
b_{abs}	57.94	57.00	0.000	0.4570	0.009579	0.5334
br	1.250	1.522	0.000	0.08856	0.01856	0.8929
cu	0.4100	0.5034	0.000	0.9816	0.01169	0.006752
fe	14.93	17.09	0.9358	0.05256	0.002823	0.008800
k	30.73	31.09	0.09843	0.8523	0.04916	0.0001366
mn	0.4700	0.3794	0.6441	0.04736	0.04653	0.2620
na	43.69	43.69	0.000	0.02468	0.9753	0.000
pb	0.6900	5.717	0.000	0.02357	0.003705	0.9727
v	0.5900	0.2676	0.7010	0.000	0.2990	0.000
zn	1.900	0.1727	0.4573	0.000	0.04088	0.5018
si	62.56	59.47	0.9753	0.02266	0.0007519	0.001286
al	0.000	13.58	0.8796	0.1124	0.005545	0.002440
ca	13.20	10.73	0.7911	0.1674	0.03750	0.004037
ti	1.280	2.352	0.9885	0.009548	0.002001	0.000
zr	0.000	0.01412	0.000	0.000	1.000	0.000
ni	0.1700	0.1159	0.6603	0.000	0.3250	0.01467
as	0.000	0.003530	0.000	0.000	1.000	0.000
se	0.1200	0.003530	0.000	0.000	1.000	0.000

216.3   8.000   4.000

Valid cases:	18	Dependent variable:		Y		
Missing cases:	0	Deletion method:		None		
Total SS:	29363.501	Degrees of freedom:		13		
R-squared:	0.996	Rbar-squared:		0.994		
Residual SS:	126.153	Std error of est:		3.115		
F(5,13):	602.578	Probability of F:		0.000		

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	4.851398	0.338101	14.348978	0.000	0.622696	0.954433
Coal fired	2.247452	0.284878	7.889179	0.000	0.342401	0.934998
Burn	3.222080	0.522278	6.169283	0.000	0.136585	0.317125
Lime	0.500094	0.086220	5.800175	0.000	0.092531	0.107193
Trans	0.687754	0.118354	5.811011	0.000	0.127863	0.226901

	Measured	Predicted	Soil	Coal fired	Burn	Lime	Trans
b_{abs}	44.17	43.53	0.000	0.000	0.4293	0.005331	0.5653
br	1.430	1.208	0.000	0.000	0.07999	0.009932	0.9101
cu	0.000	0.4294	0.000	0.1623	0.8255	0.005824	0.006407
fe	43.03	51.31	0.6127	0.3719	0.01256	0.0003996	0.002373
k	27.70	28.61	0.2103	0.1024	0.6645	0.02271	0.0001202
mn	1.060	0.6778	0.7086	0.1426	0.01902	0.01107	0.1187
na	18.86	18.88	0.000	0.000	0.04095	0.9590	0.000
pb	1.240	4.688	0.000	0.01726	0.02062	0.001920	0.9602
v	0.000	0.5803	0.6354	0.3060	0.000	0.05861	0.000
zn	1.120	0.3835	0.4048	0.4044	0.000	0.007825	0.1829
si	169.7	168.6	0.6761	0.3177	0.005732	0.0001127	0.0003671
al	62.53	59.87	0.3922	0.5885	0.01830	0.0005346	0.0004480
ca	26.51	20.96	0.7962	0.1324	0.06149	0.008160	0.001673
ti	4.710	6.761	0.6759	0.3214	0.002383	0.0002959	0.000
zr	0.000	0.1768	0.000	0.9661	0.000	0.03394	0.000
ni	0.2100	0.2779	0.5412	0.3963	0.000	0.05759	0.004950
as	0.000	0.1835	0.000	0.9918	0.000	0.008174	0.000
se	0.1200	0.08241	0.000	0.9818	0.000	0.01821	0.000

218.3   8.000   6.000

Valid cases:	18	Dependent variable:		Y		
Missing cases:	0	Deletion method:		None		
Total SS:	11123.568	Degrees of freedom:		14		
R-squared:	0.955	Rbar-squared:		0.945		
Residual SS:	500.965	Std error of est:		5.982		
F(4,14):	74.215	Probability of F:		0.000		

Variable	Estimate	Standard Error	t-value	Prob $> \|t\|$	Standardized Estimate	Cor with Dep Var
Soil	4.215821	0.239682	17.589199	0.000	0.890214	0.910576
Burn	3.062346	1.002592	3.054431	0.009	0.213561	0.406629
Lime	0.442970	0.165566	2.675487	0.018	0.134838	0.154594
Trans	0.497909	0.227240	2.191116	0.046	0.152288	0.304429

	Measured	Predicted	Soil	Burn	Lime	Trans
b_{abs}	36.39	35.78	0.000	0.4964	0.005744	0.4979
br	1.050	0.8987	0.000	0.1022	0.01183	0.8859
cu	0.000	0.3411	0.000	0.9877	0.006494	0.005839
fe	29.28	28.04	0.9744	0.02184	0.0006478	0.003143
k	24.41	23.87	0.2190	0.7568	0.02410	0.0001043
mn	1.150	0.4945	0.8440	0.02477	0.01344	0.1178
na	16.80	16.77	0.000	0.04381	0.9562	0.000
pb	0.000	3.359	0.000	0.02735	0.002374	0.9703
v	0.6300	0.3505	0.9141	0.000	0.08593	0.000
zn	1.320	0.1884	0.7163	0.000	0.01411	0.2696
si	104.4	100.1	0.9902	0.009182	0.0001682	0.0004479
al	0.000	21.49	0.9493	0.04844	0.001319	0.0009035
ca	13.82	15.90	0.9119	0.07702	0.009525	0.001597
ti	4.180	3.988	0.9957	0.003839	0.0004443	0.000
zr	0.000	0.005316	0.000	0.000	1.000	0.000
ni	0.2300	0.1459	0.8960	0.000	0.09718	0.006827
as	0.5300	0.001329	0.000	0.000	1.000	0.000
se	0.08000	0.001329	0.000	0.000	1.000	0.000

218.8   8.000   6.000

Valid cases:	18	Dependent variable:	Y		
Missing cases:	0	Deletion method:	None		
Total SS:	3257.851	Degrees of freedom:	14		
R-squared:	0.944	Rbar-squared:	0.931		
Residual SS:	183.942	Std error of est:	3.625		
$F_{(4,14)}$:	58.489	Probability of F:	0.000		

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Coal fired	1.799787	0.122373	14.707374	0.000	0.749510	0.778231
Burn	2.519567	0.607589	4.146830	0.001	0.291947	0.513178
Lime	0.759276	0.100325	7.568150	0.000	0.384014	0.408100
Trans	0.369055	0.137701	2.680114	0.018	0.187549	0.396383

	Measured	Predicted	Coal fired	Burn	Lime	Trans
b_{abs}	28.64	28.17	0.000	0.5187	0.01251	0.4688
br	0.4800	0.6839	0.000	0.1105	0.02664	0.8628
cu	0.000	0.3382	0.1650	0.8194	0.01122	0.004365
fe	15.52	15.88	0.9622	0.03173	0.001960	0.004113
k	16.91	18.20	0.1289	0.8168	0.05419	0.0001014
mn	0.7700	0.1420	0.5449	0.07095	0.08018	0.3040
na	28.03	28.10	0.000	0.02152	0.9785	0.000
pb	0.000	2.570	0.02522	0.02942	0.005319	0.9400
v	0.000	0.1938	0.7336	0.000	0.2664	0.000
zn	1.310	0.1664	0.7464	0.000	0.02738	0.2262
si	39.55	43.72	0.9813	0.01729	0.0006599	0.0007597
al	34.88	29.14	0.9684	0.02940	0.001668	0.0004940
ca	14.57	3.509	0.6334	0.2872	0.07400	0.005364
ti	2.210	1.756	0.9911	0.007174	0.001730	0.000
zr	0.000	0.1459	0.9375	0.000	0.06245	0.000
ni	0.000	0.1132	0.7789	0.000	0.2146	0.006519
as	0.8500	0.1481	0.9846	0.000	0.01538	0.000
se	0.04000	0.06707	0.9660	0.000	0.03396	0.000

219.3　　8.000　　7.000

Valid cases:	18	Dependent variable:		Y
Missing cases:	0	Deletion method:		None
Total SS:	28941.742	Degrees of freedom:		14
R-squared:	0.990	Rbar-squared:		0.988
Residual SS:	275.858	Std error of est:		4.439
F(4,14):	363.704	Probability of F:		0.000

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	0.643660	0.481778	1.336009	0.203	0.080767	0.853921
Coal fired	5.423767	0.405937	13.361121	0.000	0.807822	0.904770
Burn	5.573387	0.742070	7.510598	0.000	0.230970	0.464530
Trans	1.226834	0.168490	7.281348	0.000	0.222981	0.385556

	Measured	Predicted	Soil	Coal fired	Burn	Trans
b_{abs}	77.33	76.22	0.000	0.000	0.4241	0.5759
br	1.030	2.129	0.000	0.000	0.07854	0.9215
cu	0.5000	0.7861	0.000	0.2139	0.7799	0.006243
fe	52.47	51.56	0.08090	0.8933	0.02162	0.004212
k	38.90	40.76	0.01958	0.1735	0.8067	0.0001505
mn	2.750	0.4628	0.1377	0.5040	0.04817	0.3102
na	0.000	1.338	0.000	0.000	1.000	0.000
pb	2.330	8.392	0.000	0.02327	0.01992	0.9568
v	0.000	0.4774	0.1025	0.8975	0.000	0.000
zn	8.680	0.5200	0.03961	0.7197	0.000	0.2407
si	143.8	146.2	0.1035	0.8843	0.01144	0.0007553
al	92.48	90.10	0.03458	0.9439	0.02103	0.0005311
ca	23.27	11.20	0.1976	0.5978	0.1990	0.005584
ti	4.750	5.879	0.1031	0.8921	0.004740	0.000
zr	0.000	0.4122	0.000	1.000	0.000	0.000
ni	0.3000	0.2882	0.06924	0.9222	0.000	0.008515
as	0.2500	0.4393	0.000	1.000	0.000	0.000
se	0.000	0.1953	0.000	1.000	0.000	0.000

219.8   8.000   7.000

Valid cases:	18	Dependent variable:			Y	
Missing cases:	0	Deletion method:			None	
Total SS:	12325.202	Degrees of freedom:			13	
R-squared:	0.988	Rbar-squared:			0.984	
Residual SS:	148.735	Std error of est:			3.382	
F(5,13):	212.853	Probability of F:			0.000	

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	1.627721	0.367117	4.433797	0.000	0.295972	0.736523
Coal fired	2.000518	0.309326	6.467340	0.000	0.431766	0.746111
Burn	6.799671	0.567100	11.990247	0.000	0.408333	0.603351
Lime	1.352655	0.093620	14.448356	0.000	0.354555	0.385766
Trans	0.589919	0.128511	4.590428	0.000	0.155369	0.443714

	Measured	Predicted	Soil	Coal fired	Burn	Lime	Trans
b_{abs}	61.69	61.17	0.000	0.000	0.6447	0.01026	0.3451
br	1.230	1.180	0.000	0.000	0.1729	0.02752	0.7996
cu	0.9800	0.8191	0.000	0.07571	0.9132	0.008257	0.002881
fe	28.42	29.05	0.3630	0.5847	0.04681	0.001909	0.003594
k	45.28	46.51	0.04340	0.05609	0.8627	0.03778	6.343E-05
mn	1.060	0.3637	0.4431	0.2365	0.07479	0.05579	0.1898
na	50.55	50.61	0.000	0.000	0.03224	0.9678	0.000
pb	1.190	4.161	0.000	0.01731	0.04902	0.005851	0.9278
v	0.000	0.3737	0.3310	0.4229	0.000	0.2461	0.000
zn	4.470	0.2584	0.2016	0.5342	0.000	0.03141	0.2329
si	86.37	88.08	0.4343	0.5414	0.02316	0.0005836	0.0006028
al	43.97	41.67	0.1891	0.7528	0.05549	0.002078	0.0005522
ca	21.72	11.28	0.4963	0.2190	0.2411	0.04100	0.002667
ti	2.050	3.507	0.4372	0.5516	0.009694	0.001543	0.000
zr	0.000	0.1683	0.000	0.9035	0.000	0.09646	0.000
ni	0.2800	0.1929	0.2615	0.5080	0.000	0.2243	0.006115
as	0.1900	0.1661	0.000	0.9756	0.000	0.02443	0.000
se	0.1000	0.07608	0.000	0.9467	0.000	0.05334	0.000

220.3 8.000 8.000

Valid cases:	18	Dependent variable:		Y
Missing cases:	0	Deletion method:		None
Total SS:	56647.921	Degrees of freedom:		13
R-squared:	0.992	Rbar-squared:	0.989	
Residual SS:	467.403	Std error of est:	5.996	
F(5,13):	312.512	Probability of F:	0.000	

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	0.828691	0.650793	1.273356	0.225	0.072698	0.832968
Coal fired	7.691519	0.548347	14.026734	0.000	0.800896	0.883596
Burn	4.940309	1.005307	4.914230	0.000	0.143133	0.360736
Lime	2.768495	0.165961	16.681550	0.000	0.350106	0.364997
Trans	1.331667	0.227813	5.845442	0.000	0.169210	0.275771

	Measured	Predicted	Soil	Coal fired	Burn	Lime	Trans
b_{abs}	78.72	77.59	0.000	0.000	0.3693	0.01656	0.6141
br	1.800	2.344	0.000	0.000	0.06323	0.02835	0.9084
cu	0.7200	0.8010	0.000	0.2977	0.6784	0.01728	0.006650
fe	67.08	72.02	0.07457	0.9069	0.01372	0.001576	0.003273
k	41.49	43.81	0.02346	0.2289	0.6654	0.08209	0.0001520
mn	2.860	0.6299	0.1302	0.5251	0.03137	0.06593	0.2474
na	101.3	101.4	0.000	0.000	0.01169	0.9883	0.000
pb	3.020	9.191	0.000	0.03013	0.01613	0.005422	0.9483
v	0.4700	0.8589	0.07333	0.7075	0.000	0.2192	0.000
zn	5.280	0.7097	0.03737	0.7478	0.000	0.02341	0.1914
si	202.4	204.5	0.09522	0.8964	0.007247	0.0005144	0.0005860
al	131.3	126.5	0.03170	0.9532	0.01328	0.001400	0.0004105
ca	33.72	15.34	0.1858	0.6192	0.1288	0.06172	0.004427
ti	5.780	8.254	0.09457	0.9011	0.002993	0.001342	0.000
zr	0.000	0.6178	0.000	0.9462	0.000	0.05378	0.000
ni	0.8700	0.4938	0.05202	0.7632	0.000	0.1794	0.005393
as	0.000	0.6313	0.000	0.9868	0.000	0.01316	0.000
se	0.2100	0.2852	0.000	0.9709	0.000	0.02912	0.000

220.8   8.000   8.000

Valid cases:	18	Dependent variable:		Y	
Missing cases:	0	Deletion method:		None	
Total SS:	34522.670	Degrees of freedom:		13	
R-squared:	0.989	Rbar-squared:		0.985	
Residual SS:	392.659	Std error of est:		5.496	
F(5,13):	225.993	Probability of F:		0.000	

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	1.947388	0.596492	3.264733	0.006	0.218706	0.856509
Coal fired	4.971999	0.502594	9.892674	0.000	0.662787	0.887495
Burn	5.821874	0.921426	6.318331	0.000	0.215937	0.439835
Lime	1.410822	0.152114	9.274771	0.000	0.228406	0.248322
Trans	1.160623	0.208805	5.558418	0.000	0.188800	0.343882

	Measured	Predicted	Soil	Coal fired	Burn	Lime	Trans
b_{abs}	76.94	75.95	0.000	0.000	0.4446	0.008619	0.5468
br	1.850	2.064	0.000	0.000	0.08461	0.01640	0.8990
cu	0.6500	0.8062	0.000	0.1912	0.7943	0.008749	0.005758
fe	50.18	56.26	0.2243	0.7503	0.02069	0.001028	0.003651
k	43.04	45.09	0.05356	0.1438	0.7619	0.04065	0.0001287
mn	1.550	0.5868	0.3285	0.3643	0.03968	0.03606	0.2314
na	52.39	52.48	0.000	0.000	0.02662	0.9734	0.000
pb	2.590	7.975	0.000	0.02244	0.02190	0.003184	0.9525
v	0.000	0.6367	0.2324	0.6169	0.000	0.1507	0.000
zn	4.190	0.5322	0.1171	0.6446	0.000	0.01590	0.2224
si	164.7	166.2	0.2754	0.7132	0.01051	0.0003226	0.0006286
al	94.10	89.50	0.1053	0.8711	0.02212	0.001009	0.0005058
ca	32.39	15.71	0.4264	0.3909	0.1482	0.03071	0.003768
ti	4.540	6.677	0.2747	0.7201	0.004360	0.0008452	0.000
zr	0.000	0.3948	0.000	0.9571	0.000	0.04288	0.000
ni	0.5000	0.3515	0.1718	0.6932	0.000	0.1285	0.006604
as	0.000	0.4070	0.000	0.9896	0.000	0.01040	0.000
se	0.000	0.1832	0.000	0.9769	0.000	0.02310	0.000

221.3   8.000   9.000

Valid cases:	18	Dependent variable:		Y	
Missing cases:	0	Deletion method:		None	
Total SS:	39726.109	Degrees of freedom:		13	
R-squared:	0.993	Rbar-squared:		0.990	
Residual SS:	293.808	Std error of est:		4.754	
F(5,13):	348.948	Probability of F:		0.000	

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	4.724693	0.515976	9.156815	0.000	0.510972	0.915042
Coal fired	3.233638	0.434752	7.437888	0.000	0.415097	0.908457
Burn	5.153938	0.797049	6.466277	0.000	0.184085	0.394474
Lime	0.968105	0.131581	7.357479	0.000	0.150929	0.168945
Trans	1.090561	0.180619	6.037895	0.000	0.170835	0.303146

	Measured	Predicted	Soil	Coal fired	Burn	Lime	Trans
b_{abs}	70.44	69.36	0.000	0.000	0.4310	0.006476	0.5626
br	2.300	1.922	0.000	0.000	0.08046	0.01209	0.9074
cu	0.4600	0.6764	0.000	0.1482	0.8382	0.007157	0.006449
fe	45.66	59.34	0.5160	0.4627	0.01737	0.0006689	0.003253
k	40.48	41.75	0.1403	0.1010	0.7284	0.03012	0.0001306
mn	1.950	0.7695	0.6078	0.1807	0.02679	0.01887	0.1658
na	36.28	36.29	0.000	0.000	0.03408	0.9659	0.000
pb	1.690	7.426	0.000	0.01568	0.02082	0.002347	0.9612
v	0.4600	0.6804	0.5278	0.3755	0.000	0.09676	0.000
zn	3.170	0.4914	0.3077	0.4541	0.000	0.01182	0.2264
si	192.2	189.8	0.5850	0.4061	0.008147	0.0001938	0.0005171
al	79.06	75.42	0.3032	0.6722	0.02323	0.0008215	0.0005639
ca	28.30	22.69	0.7162	0.1760	0.09084	0.01459	0.002451
ti	4.180	7.607	0.5851	0.4110	0.003388	0.0005090	0.000
zr	0.000	0.2574	0.000	0.9549	0.000	0.04514	0.000
ni	0.2400	0.3381	0.4332	0.4687	0.000	0.09163	0.006452
as	0.5500	0.2648	0.000	0.9890	0.000	0.01097	0.000
se	0.000	0.1193	0.000	0.9757	0.000	0.02434	0.000

221.8   8.000   9.000

Valid cases:	18	Dependent variable:		Y		
Missing cases:	0	Deletion method:		None		
Total SS:	22445.251	Degrees of freedom:		14		
R-squared:	0.998	Rbar-squared:		0.997		
Residual SS:	52.082	Std error of est:		1.929		
F(4,14):	1504.867	Probability of F:		0.000		

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	3.176715	0.209338	15.175078	0.000	0.457000	0.892273
Coal fired	2.523555	0.176384	14.307190	0.000	0.430909	0.890769
Burn	8.027790	0.322437	24.897231	0.000	0.381408	0.497654
Trans	0.253992	0.073211	3.469325	0.004	0.052925	0.318875

	Measured	Predicted	Soil	Coal fired	Burn	Trans
b_{abs}	55.77	55.65	0.000	0.000	0.8367	0.1633
br	2.310	0.6470	0.000	0.000	0.3723	0.6277
cu	0.000	0.9623	0.000	0.08129	0.9176	0.001056
fe	41.67	43.66	0.4715	0.4907	0.03677	0.001030
k	54.18	54.60	0.07215	0.06027	0.8676	2.326E-05
mn	1.060	0.4848	0.6487	0.2238	0.06623	0.06129
na	0.000	1.927	0.000	0.000	1.000	0.000
pb	0.8900	1.994	0.000	0.04556	0.1208	0.8337
v	0.000	0.4408	0.5477	0.4523	0.000	0.000
zn	1.620	0.3017	0.3370	0.5772	0.000	0.08587
si	136.7	137.2	0.5440	0.4383	0.01755	0.0001666
al	59.26	57.68	0.2666	0.6860	0.04732	0.0001717
ca	23.07	17.27	0.6328	0.1805	0.1860	0.0007501
ti	4.790	5.473	0.5468	0.4459	0.007334	0.000
zr	0.000	0.1918	0.000	1.000	0.000	0.000
ni	0.000	0.2226	0.4423	0.5554	0.000	0.002282
as	0.2300	0.2044	0.000	1.000	0.000	0.000
se	0.09000	0.09085	0.000	1.000	0.000	0.000

222.3   8.000   10.00

Valid cases:	18	Dependent variable:		Y	
Missing cases:	0	Deletion method:		None	
Total SS:	119828.288	Degrees of freedom:		15	
R-squared:	0.990	Rbar-squared:		0.988	
Residual SS:	1215.946	Std error of est:		9.004	
F(3,15):	487.737	Probability of F:		0.000	

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	6.344962	0.977095	6.493702	0.000	0.401885	0.923898
Coal fired	7.059602	0.823252	8.575267	0.000	0.530747	0.933116
Burn	15.063033	1.089043	13.831446	0.000	0.315095	0.399025

	Measured	Predicted	Soil	Coal fired	Burn
b_{abs}	68.97	87.37	0.000	0.000	1.000
br	2.240	0.4519	0.000	0.000	1.000
cu	0.3500	1.876	0.000	0.1167	0.8833
fe	86.33	104.1	0.3951	0.5760	0.02895
k	123.5	105.9	0.07426	0.08689	0.8388
mn	1.700	0.9920	0.6332	0.3060	0.06074
na	0.000	3.615	0.000	0.000	1.000
pb	1.970	0.7060	0.000	0.3600	0.6400
v	0.000	1.040	0.4637	0.5363	0.000
zn	3.040	0.6902	0.2942	0.7058	0.000
si	322.8	321.9	0.4632	0.5228	0.01404
al	152.4	146.5	0.2096	0.7555	0.03495
ca	49.99	36.57	0.5968	0.2384	0.1648
ti	9.590	12.88	0.4641	0.5301	0.005848
zr	0.000	0.5365	0.000	1.000	0.000
ni	0.6400	0.5426	0.3625	0.6375	0.000
as	0.000	0.5718	0.000	1.000	0.000
se	0.1100	0.2541	0.000	1.000	0.000

222.8   8.000   10.00

Valid cases:	18	Dependent variable:			Y
Missing cases:	0	Deletion method:			None
Total SS:	46826.332	Degrees of freedom:			14
R-squared:	0.992	Rbar-squared:			0.990
Residual SS:	388.754	Std error of est:			5.270
$F(4,14)$:	418.083	Probability of F:			0.000

Variable	Estimate	Standard Error	t-value	Prob $> \|t\|$	Standardized Estimate	Cor with Dep Var
Soil	2.287354	0.571873	3.999761	0.001	0.223818	0.878085
Coal fired	5.728660	0.481832	11.889332	0.000	0.665351	0.909083
Burn	12.054614	0.638692	18.873896	0.000	0.389558	0.474527
Lime	0.535284	0.145713	3.673552	0.002	0.075505	0.104147

	Measured	Predicted	Soil	Coal fired	Burn	Lime
b_{abs}	64.59	70.17	0.000	0.000	0.9965	0.003540
br	2.550	0.3745	0.000	0.000	0.9657	0.03431
cu	0.000	1.506	0.000	0.1179	0.8803	0.001777
fe	61.70	65.90	0.2249	0.7382	0.03659	0.0003330
k	86.50	82.12	0.03454	0.09096	0.8660	0.008467
mn	1.600	0.5290	0.4280	0.4656	0.09115	0.01518
na	22.03	22.28	0.000	0.000	0.1299	0.8701
pb	1.740	0.5775	0.000	0.3571	0.6262	0.01668
v	0.000	0.6628	0.2623	0.6828	0.000	0.05492
zn	2.040	0.4717	0.1552	0.8380	0.000	0.006809
si	191.6	193.9	0.2772	0.7041	0.01865	0.0001049
al	109.3	105.0	0.1054	0.8552	0.03903	0.0003262
ca	36.76	19.95	0.3944	0.3547	0.2417	0.009177
ti	6.450	7.757	0.2778	0.7142	0.007770	0.0002760
zr	0.000	0.4418	0.000	0.9855	0.000	0.01454
ni	0.5300	0.3687	0.1923	0.7612	0.000	0.04645
as	0.000	0.4656	0.000	0.9966	0.000	0.003449
se	0.1400	0.2078	0.000	0.9923	0.000	0.007726

223.3   8.000   11.00

Valid cases:	18	Dependent variable:	Y
Missing cases:	0	Deletion method:	None
Total SS:	51435.968	Degrees of freedom:	15
R-squared:	0.993	Rbar-squared:	0.992
Residual SS:	369.121	Std error of est:	4.961
F(3,15):	691.737	Probability of F:	0.000

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	4.342541	0.538349	8.066410	0.000	0.414870	0.905161
Coal fired	4.327896	0.453586	9.541513	0.000	0.490772	0.910741
Burn	11.923216	0.600028	19.871087	0.000	0.376199	0.457681

	Measured	Predicted	Soil	Coal fired	Burn
b_{abs}	57.24	69.15	0.000	0.000	1.000
br	2.560	0.3577	0.000	0.000	1.000
cu	0.000	1.446	0.000	0.09280	0.9072
fe	67.95	67.27	0.4183	0.5463	0.03545
k	92.66	81.38	0.06617	0.06935	0.8645
mn	1.390	0.6637	0.6477	0.2804	0.07186
na	0.000	2.862	0.000	0.000	1.000
pb	1.440	0.5135	0.000	0.3034	0.6966
v	0.000	0.6719	0.4912	0.5088	0.000
zn	2.200	0.4376	0.3176	0.6824	0.000
si	206.6	208.8	0.4888	0.4941	0.01713
al	94.47	92.93	0.2262	0.7302	0.04362
ca	33.20	25.05	0.5963	0.2133	0.1904
ti	5.980	8.335	0.4908	0.5021	0.007152
zr	0.000	0.3289	0.000	1.000	0.000
ni	0.000	0.3467	0.3883	0.6117	0.000
as	0.3800	0.3506	0.000	1.000	0.000
se	0.000	0.1558	0.000	1.000	0.000

223.8   8.000   11.00

Valid cases:		18	Dependent variable:			Y
Missing cases:		0	Deletion method:			None
Total SS:		55663.822	Degrees of freedom:			15
R-squared:		0.977	Rbar-squared:		0.974	
Residual SS:		1256.550	Std error of est:		9.153	
$F_{(3,15)}$:		216.495	Probability of F:		0.000	

Variable	Estimate	Standard Error	t-value	Prob $> \lvert t \rvert$	Standardized Estimate	Cor with Dep Var
Soil	4.700309	0.993275	4.732133	0.000	0.428243	0.835904
Coal fired	3.594647	0.836884	4.295274	0.000	0.388736	0.833557
Burn	17.068123	1.107077	15.417293	0.000	0.513577	0.587040

	Measured	Predicted	Soil	Coal fired	Burn
b_{abs}	74.49	99.00	0.000	0.000	1.000
br	3.210	0.5120	0.000	0.000	1.000
cu	0.000	1.989	0.000	0.05603	0.9440
fe	64.07	64.39	0.4730	0.4740	0.05301
k	135.1	111.2	0.05241	0.04215	0.9054
mn	1.160	0.6882	0.6762	0.2246	0.09921
na	0.000	4.096	0.000	0.000	1.000
pb	1.380	0.6415	0.000	0.2017	0.7983
v	0.000	0.6412	0.5571	0.4429	0.000
zn	1.890	0.3984	0.3775	0.6225	0.000
si	199.0	201.3	0.5488	0.4257	0.02544
al	86.20	84.91	0.2679	0.6637	0.06834
ca	33.79	27.44	0.5893	0.1618	0.2488
ti	5.610	7.989	0.5542	0.4351	0.01068
zr	0.5800	0.2732	0.000	1.000	0.000
ni	0.000	0.3218	0.4527	0.5473	0.000
as	0.2800	0.2912	0.000	1.000	0.000
se	0.1700	0.1294	0.000	1.000	0.000

224.3　8.000　12.00

Valid cases:	18	Dependent variable:		Y	
Missing cases:	0	Deletion method:		None	
Total SS:	112796.146	Degrees of freedom:		15	
R-squared:	0.990	Rbar-squared:		0.989	
Residual SS:	1108.753	Std error of est:		8.597	
F(3,15):	503.662	Probability of F:		0.000	

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	5.527766	0.933033	5.924514	0.000	0.358854	0.917665
Coal fired	7.389640	0.786127	9.400056	0.000	0.569413	0.932579
Burn	15.126124	1.039932	14.545296	0.000	0.324304	0.407874

	Measured	Predicted	Soil	Coal fired	Burn
b_{abs}	67.97	87.73	0.000	0.000	1.000
br	2.750	0.4538	0.000	0.000	1.000
cu	0.3500	1.893	0.000	0.1210	0.8790
fe	92.05	101.6	0.3526	0.6176	0.02978
k	124.4	105.7	0.06483	0.09113	0.8440
mn	2.800	0.9255	0.5913	0.3433	0.06537
na	0.000	3.630	0.000	0.000	1.000
pb	1.930	0.7198	0.000	0.3696	0.6304
v	0.000	1.004	0.4185	0.5815	0.000
zn	2.640	0.6868	0.2576	0.7424	0.000
si	309.1	310.6	0.4182	0.5671	0.01461
al	152.5	147.8	0.1811	0.7841	0.03481
ca	49.04	34.19	0.5561	0.2669	0.1770
ti	11.53	12.43	0.4190	0.5749	0.006085
zr	0.000	0.5616	0.000	1.000	0.000
ni	0.4100	0.5335	0.3212	0.6788	0.000
as	0.000	0.5986	0.000	1.000	0.000
se	0.2400	0.2660	0.000	1.000	0.000

224.8   8.000   12.00

Valid cases:	18	Dependent variable:	Y
Missing cases:	0	Deletion method:	None
Total SS:	51071.547	Degrees of freedom:	14
R-squared:	0.999	Rbar-squared:	0.999
Residual SS:	55.211	Std error of est:	1.986
F(4,14):	3234.113	Probability of F:	0.000

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	5.331651	0.215534	24.736950	0.000	0.509643	0.906109
Coal fired	3.459725	0.181605	19.050870	0.000	0.392537	0.898244
Burn	10.961824	0.331981	33.019430	0.000	0.346054	0.473644
Trans	0.488282	0.075378	6.477812	0.000	0.067605	0.309288

	Measured	Predicted	Soil	Coal fired	Burn	Trans
b_{abs}	81.23	81.05	0.000	0.000	0.7844	0.2156
br	2.460	1.110	0.000	0.000	0.2964	0.7036
cu	0.9900	1.315	0.000	0.08156	0.9170	0.001485
fe	65.95	66.20	0.5219	0.4437	0.03312	0.001305
k	75.43	75.80	0.08722	0.05952	0.8532	3.221E-05
mn	3.180	0.7776	0.6788	0.1913	0.05639	0.07347
na	0.000	2.631	0.000	0.000	1.000	0.000
pb	2.200	3.649	0.000	0.03413	0.09012	0.8758
v	0.000	0.6785	0.5972	0.4028	0.000	0.000
zn	4.490	0.4591	0.3716	0.5199	0.000	0.1085
si	210.4	211.1	0.5935	0.3907	0.01558	0.0002082
al	84.76	83.80	0.3080	0.6473	0.04448	0.0002273
ca	31.36	27.02	0.6787	0.1581	0.1623	0.0009215
ti	7.390	8.423	0.5963	0.3972	0.006507	0.000
zr	0.000	0.2629	0.000	1.000	0.000	0.000
ni	0.4200	0.3358	0.4922	0.5049	0.000	0.002908
as	0.000	0.2802	0.000	1.000	0.000	0.000
se	0.4000	0.1246	0.000	1.000	0.000	0.000

226.3   8.000   14.00

Valid cases:	18	Dependent variable:		Y
Missing cases:	0	Deletion method:		None
Total SS:	13052.945	Degrees of freedom:		13
R-squared:	0.999	Rbar-squared:		0.999
Residual SS:	9.722	Std error of est:		0.865
$F_{(5,13)}$:	3488.330	Probability of F:		0.000

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	3.247473	0.093857	34.600159	0.000	0.601510	0.889159
Coal fired	1.285842	0.079082	16.259514	0.000	0.282696	0.867052
Burn	4.196518	0.144985	28.944495	0.000	0.256710	0.448262
Lime	0.865036	0.023935	36.141179	0.000	0.230971	0.253143
Trans	0.527831	0.032855	16.065433	0.000	0.141610	0.324691

	Measured	Predicted	Soil	Coal fired	Burn	Lime	Trans
b_{abs}	44.06	43.63	0.000	0.000	0.5579	0.009200	0.4329
br	1.040	0.9907	0.000	0.000	0.1271	0.02096	0.8520
cu	0.4400	0.5079	0.000	0.07848	0.9088	0.008516	0.004157
fe	31.84	32.93	0.6390	0.3316	0.02549	0.001077	0.002837
k	31.18	31.59	0.1275	0.05308	0.7838	0.03557	8.355E-05
mn	1.090	0.4683	0.6865	0.1181	0.03584	0.02771	0.1319
na	32.34	32.33	0.000	0.000	0.03115	0.9688	0.000
pb	1.280	3.642	0.000	0.01271	0.03456	0.004275	0.9485
v	0.000	0.4072	0.6061	0.2495	0.000	0.1445	0.000
zn	1.090	0.2517	0.4129	0.3525	0.000	0.02062	0.2139
si	108.5	108.3	0.7046	0.2830	0.01162	0.0003035	0.0004386
al	37.62	37.38	0.4205	0.5393	0.03817	0.001481	0.0005507
ca	14.92	14.76	0.7568	0.1076	0.1137	0.02004	0.001824
ti	5.400	4.327	0.7070	0.2874	0.004849	0.0007997	0.000
zr	0.000	0.1081	0.000	0.9040	0.000	0.09602	0.000
ni	0.000	0.1924	0.5232	0.3275	0.000	0.1439	0.005486
as	0.000	0.1067	0.000	0.9757	0.000	0.02431	0.000
se	0.000	0.04889	0.000	0.9469	0.000	0.05309	0.000

226.8   8.000   14.00

Valid cases:	18	Dependent variable:	Y
Missing cases:	0	Deletion method:	None
Total SS:	28725.054	Degrees of freedom:	13
R-squared:	0.997	Rbar-squared:	0.996
Residual SS:	86.302	Std error of est:	2.577
F(5,13):	862.789	Probability of F:	0.000

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	4.540515	0.279646	16.236661	0.000	0.560905	0.806067
Coal fired	1.491421	0.235625	6.329644	0.000	0.218685	0.782457
Burn	10.995365	0.431980	25.453384	0.000	0.448591	0.595721
Lime	1.411856	0.071314	19.797835	0.000	0.251421	0.284733
Trans	0.496358	0.097891	5.070503	0.000	0.088814	0.403690

	Measured	Predicted	Soil	Coal fired	Burn	Lime	Trans
b_{abs}	82.63	82.19	0.000	0.000	0.7759	0.007971	0.2161
br	0.9700	1.157	0.000	0.000	0.2850	0.02928	0.6857
cu	0.000	1.265	0.000	0.03656	0.9563	0.005581	0.001570
fe	36.15	44.43	0.6622	0.2850	0.04949	0.001303	0.001977
k	73.93	74.28	0.07579	0.02618	0.8733	0.02469	3.341E-05
mn	1.220	0.6369	0.7058	0.1007	0.06906	0.03325	0.09119
na	53.77	53.76	0.000	0.000	0.04908	0.9509	0.000
pb	1.430	3.658	0.000	0.01468	0.09018	0.006948	0.8882
v	0.000	0.5589	0.6174	0.2108	0.000	0.1718	0.000
zn	1.450	0.3073	0.4728	0.3349	0.000	0.02757	0.1648
si	147.6	145.7	0.7326	0.2441	0.02265	0.0003684	0.0003067
al	50.83	49.21	0.4466	0.4752	0.07597	0.001836	0.0003934
ca	23.00	22.37	0.6983	0.08235	0.1966	0.02159	0.001132
ti	4.370	5.780	0.7400	0.2495	0.009512	0.0009771	0.000
zr	0.000	0.1303	0.000	0.8700	0.000	0.1300	0.000
ni	0.1900	0.2600	0.5414	0.2811	0.000	0.1738	0.003818
as	0.000	0.1250	0.000	0.9661	0.000	0.03387	0.000
se	0.3200	0.05793	0.000	0.9269	0.000	0.07312	0.000

227.3   8.000   15.00

Valid cases:	18	Dependent variable:		Y
Missing cases:	0	Deletion method:		None
Total SS:	8666.130	Degrees of freedom:		14
R-squared:	0.991	Rbar-squared:		0.989
Residual SS:	80.796	Std error of est:		2.402
F(4,14):	371.910	Probability of F:		0.000

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	1.765883	0.260709	6.773396	0.000	0.387796	0.661200
Coal fired	0.892755	0.219660	4.064254	0.001	0.232707	0.650651
Burn	8.489214	0.291171	29.155445	0.000	0.615696	0.695516
Lime	1.190032	0.066428	17.914484	0.000	0.376727	0.418833

	Measured	Predicted	Soil	Coal fired	Burn	Lime
b_{abs}	44.41	49.79	0.000	0.000	0.9889	0.01109
br	0.8900	0.2832	0.000	0.000	0.8992	0.1008
cu	0.4800	0.9674	0.000	0.02861	0.9652	0.006150
fe	24.68	20.77	0.5509	0.3650	0.08175	0.002349
k	60.09	54.99	0.03982	0.02117	0.9109	0.02811
mn	0.6500	0.2650	0.6597	0.1449	0.1281	0.06736
na	44.99	45.13	0.000	0.000	0.04515	0.9549
pb	0.000	0.3082	0.000	0.1043	0.8262	0.06949
v	0.000	0.2857	0.4698	0.2469	0.000	0.2833
zn	1.260	0.1252	0.4512	0.4918	0.000	0.05701
si	63.72	65.37	0.6348	0.3255	0.03896	0.0006918
al	25.28	25.51	0.3351	0.5488	0.1132	0.002986
ca	13.32	10.98	0.5533	0.1004	0.3093	0.03707
ti	2.710	2.574	0.6463	0.3354	0.01649	0.001849
zr	0.000	0.08213	0.000	0.8261	0.000	0.1739
ni	0.000	0.1366	0.4008	0.3203	0.000	0.2788
as	0.000	0.07588	0.000	0.9530	0.000	0.04705
se	0.1400	0.03571	0.000	0.9000	0.000	0.09998

227.8   8.000   15.00

		Dependent variable:	Y
Valid cases:	18		
Missing cases:	0	Deletion method:	None
Total SS:	1386.525	Degrees of freedom:	13
R-squared:	0.974	Rbar-squared:	0.966
Residual SS:	36.566	Std error of est:	1.677
F(5,13):	95.988	Probability of F:	0.000

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	0.750826	0.182027	4.124801	0.001	0.419272	0.558494
Coal fired	0.187293	0.153373	1.221158	0.244	0.124140	0.537798
Burn	1.179863	0.281185	4.196041	0.001	0.217593	0.529924
Lime	0.781158	0.046420	16.828215	0.000	0.628813	0.649321
Trans	0.401581	0.063719	6.302337	0.000	0.324812	0.484661

	Measured	Predicted	Soil	Coal fired	Burn	Lime	Trans
b_{abs}	21.94	21.58	0.000	0.000	0.3172	0.01680	0.6660
br	0.000	0.6963	0.000	0.000	0.05084	0.02693	0.9222
cu	0.2800	0.1411	0.000	0.04115	0.9198	0.02768	0.01138
fe	6.040	6.795	0.7160	0.2340	0.03473	0.004714	0.01046
k	8.440	9.153	0.1017	0.02668	0.7605	0.1109	0.0002194
mn	0.3100	0.1458	0.5098	0.05523	0.03237	0.08036	0.3222
na	28.54	28.57	0.000	0.000	0.009912	0.9901	0.000
pb	0.8500	2.685	0.000	0.002512	0.01319	0.005238	0.9791
v	0.000	0.1250	0.4566	0.1184	0.000	0.4250	0.000
zn	0.7800	0.08260	0.2909	0.1565	0.000	0.05674	0.4959
si	21.73	22.53	0.7832	0.1982	0.01571	0.001318	0.001604
al	8.300	7.037	0.5164	0.4173	0.05700	0.007104	0.002225
ca	8.930	3.574	0.7227	0.06472	0.1321	0.07476	0.005731
ti	0.8700	0.8974	0.7881	0.2018	0.006574	0.003482	0.000
zr	0.000	0.02361	0.000	0.6029	0.000	0.3971	0.000
ni	0.2000	0.05825	0.3996	0.1575	0.000	0.4291	0.01379
as	0.000	0.01751	0.000	0.8662	0.000	0.1338	0.000
se	0.1300	0.009086	0.000	0.7421	0.000	0.2579	0.000

228.3   8.000   16.00

Valid cases:	18	Dependent variable:		Y
Missing cases:	0	Deletion method:		None
Total SS:	3960.988	Degrees of freedom:		13
R-squared:	0.995	Rbar-squared:		0.994
Residual SS:	19.671	Std error of est:		1.230
F(5,13):	520.941	Probability of F:		0.000

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	0.803556	0.133509	6.018745	0.000	0.272605	0.493195
Coal fired	0.527767	0.112492	4.691584	0.000	0.212518	0.488722
Burn	1.851529	0.206237	8.977694	0.000	0.207446	0.410482
Lime	1.596221	0.034047	46.883350	0.000	0.780616	0.798039
Trans	0.324145	0.046735	6.935766	0.000	0.159280	0.313870

	Measured	Predicted	Soil	Coal fired	Burn	Lime	Trans
b_{abs}	23.28	23.08	0.000	0.000	0.4653	0.03209	0.5026
br	0.7300	0.6122	0.000	0.000	0.09074	0.06258	0.8467
cu	0.3600	0.2293	0.000	0.07135	0.8882	0.03481	0.005654
fe	11.05	10.18	0.5114	0.4401	0.03637	0.006428	0.005635
k	14.21	14.68	0.06786	0.04687	0.7440	0.1412	0.0001104
mn	0.7100	0.1715	0.4638	0.1323	0.04318	0.1396	0.2211
na	58.22	58.24	0.000	0.000	0.007629	0.9924	0.000
pb	1.050	2.225	0.000	0.008540	0.02497	0.01291	0.9536
v	0.4700	0.2113	0.2890	0.1973	0.000	0.5137	0.000
zn	0.8100	0.1048	0.2454	0.3476	0.000	0.09141	0.3156
si	31.18	32.11	0.5881	0.3918	0.01730	0.001889	0.0009086
al	13.57	12.91	0.3013	0.6410	0.04877	0.007914	0.0009793
ca	8.590	4.719	0.5858	0.1381	0.1569	0.1157	0.003503
ti	1.480	1.283	0.5900	0.3978	0.007216	0.004977	0.000
zr	0.000	0.05926	0.000	0.6768	0.000	0.3232	0.000
ni	0.000	0.1025	0.2430	0.2523	0.000	0.4983	0.006325
as	0.000	0.04754	0.000	0.8993	0.000	0.1007	0.000
se	0.2400	0.02379	0.000	0.7987	0.000	0.2013	0.000

228.8   8.000   16.00

Valid cases:	18	Dependent variable:	Y
Missing cases:	0	Deletion method:	None
Total SS:	336435.924	Degrees of freedom:	15
R-squared:	0.619	Rbar-squared:	0.568
Residual SS:	128142.008	Std error of est:	92.427
F(3,15):	8.127	Probability of F:	0.002

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	1.053960	3.691560	0.285505	0.779	0.043566	0.115465
Burn	58.744090	11.200496	5.244776	0.000	0.801953	0.807035
Lime	0.310117	2.555782	0.121339	0.905	0.018479	0.069931

	Measured	Predicted	Soil	Burn	Lime
b_{abs}	88.97	340.9	0.000	0.9996	0.0004222
br	3.330	1.770	0.000	0.9958	0.004206
cu	0.000	6.463	0.000	0.9998	0.0002399
fe	19.66	18.59	0.3674	0.6320	0.0006839
k	599.7	348.3	0.003752	0.9951	0.001157
mn	0.7400	0.3440	0.3033	0.6831	0.01352
na	19.84	25.33	0.000	0.5566	0.4434
pb	0.8500	1.768	0.000	0.9968	0.003157
v	0.000	0.1012	0.7916	0.000	0.2084
zn	1.780	0.03559	0.9477	0.000	0.05229
si	38.00	42.40	0.5841	0.4156	0.0002779
al	0.000	25.09	0.2033	0.7959	0.0007909
ca	0.000	27.23	0.1332	0.8630	0.003895
ti	1.070	1.288	0.7710	0.2281	0.0009633
zr	1.260	0.003721	0.000	0.000	1.000
ni	0.1100	0.04260	0.7670	0.000	0.2330
as	0.000	0.0009303	0.000	0.000	1.000
se	0.1400	0.0009303	0.000	0.000	1.000

229.3   8.000   17.00

Valid cases:	18	Dependent variable:		Y	
Missing cases:	0	Deletion method:		None	
Total SS:	14727.782	Degrees of freedom:		15	
R-squared:	0.734	Rbar-squared:		0.698	
Residual SS:	3919.982	Std error of est:		16.166	
$F(3,15)$:	13.786	Probability of F:		0.000	

Variable	Estimate	Standard Error	t-value	Prob $> \|t\|$	Standardized Estimate	Cor with Dep Var
Soil	0.780646	0.645663	1.209060	0.245	0.150326	0.226159
Burn	13.253019	1.958996	6.765211	0.000	0.842850	0.861223
Lime	0.276881	0.447013	0.619402	0.545	0.076860	0.131425

	Measured	Predicted	Soil	Burn	Lime
b_{abs}	33.41	77.00	0.000	0.9983	0.001669
br	0.9200	0.4042	0.000	0.9836	0.01644
cu	0.000	1.459	0.000	0.9991	0.0009487
fe	4.470	7.721	0.6552	0.3433	0.001470
k	123.3	79.52	0.01217	0.9833	0.004523
mn	0.000	0.1344	0.5748	0.3943	0.03089
na	12.28	13.21	0.000	0.2408	0.7592
pb	0.000	0.4026	0.000	0.9876	0.01238
v	0.6700	0.07816	0.7591	0.000	0.2409
zn	0.7700	0.02664	0.9376	0.000	0.06236
si	23.00	22.33	0.8215	0.1780	0.0004711
al	3.790	8.302	0.4551	0.5428	0.002134
ca	0.000	8.081	0.3323	0.6560	0.01172
ti	1.470	0.8027	0.9161	0.08255	0.001380
zr	0.000	0.003323	0.000	0.000	1.000
ni	0.000	0.03306	0.7320	0.000	0.2680
as	0.000	0.0008306	0.000	0.000	1.000
se	0.000	0.0008306	0.000	0.000	1.000

229.8   8.000   17.00

Valid cases:	18	Dependent variable:	Y
Missing cases:	0	Deletion method:	None
Total SS:	1488.722	Degrees of freedom:	15
R-squared:	0.737	Rbar-squared:	0.702
Residual SS:	390.979	Std error of est:	5.105
$F_{(3,15)}$:	14.038	Probability of F:	0.000

Variable	Estimate	Standard Error	t-value	Prob > $|t|$	Standardized Estimate	Cor with Dep Var
Soil	0.118935	0.554060	0.214662	0.833	0.069229	0.326363
Coal fired	0.284995	0.466823	0.610499	0.551	0.196901	0.335900
Burn	4.295473	0.617539	6.955789	0.000	0.825739	0.849724

	Measured	Predicted	Soil	Coal fired	Burn
b_{abs}	11.20	24.91	0.000	0.000	1.000
br	0.000	0.1289	0.000	0.000	1.000
cu	0.000	0.4813	0.000	0.01835	0.9816
fe	4.980	4.050	0.1903	0.5976	0.2121
k	39.13	25.86	0.005702	0.01437	0.9799
mn	0.6800	0.04121	0.2857	0.2974	0.4169
na	0.000	1.031	0.000	0.000	1.000
pb	0.000	0.1391	0.000	0.07375	0.9263
v	0.6200	0.03155	0.2865	0.7135	0.000
zn	0.9600	0.02347	0.1622	0.8378	0.000
si	9.110	10.88	0.2570	0.6246	0.1185
al	7.160	6.505	0.08850	0.6870	0.2245
ca	6.670	2.479	0.1650	0.1420	0.6930
ti	1.810	0.4091	0.2739	0.6736	0.05250
zr	0.000	0.02166	0.000	1.000	0.000
ni	0.000	0.01765	0.2089	0.7911	0.000
as	0.000	0.02308	0.000	1.000	0.000
se	0.000	0.01026	0.000	1.000	0.000

230.3   8.000   18.00

Valid cases:	18	Dependent variable:	Y			
Missing cases:	0	Deletion method:	None			
Total SS:	4559.003	Degrees of freedom:	14			
R-squared:	0.874	Rbar-squared:	0.847			
Residual SS:	573.117	Std error of est:	6.398			
$F_{(4,14)}$:	24.342	Probability of F:	0.000			

Variable	Estimate	Standard Error	t-value	Prob $> |t|$	Standardized Estimate	Cor with Dep Var
Soil	0.064120	0.694358	0.092344	0.928	0.021680	0.154652
Coal fired	0.134705	0.585032	0.230252	0.821	0.054062	0.157531
Burn	8.197347	0.775490	10.570545	0.000	0.915383	0.931821
Lime	0.308608	0.176922	1.744312	0.103	0.150420	0.209237

	Measured	Predicted	Soil	Coal fired	Burn	Lime
b_{abs}	30.72	47.69	0.000	0.000	0.9970	0.003003
br	0.000	0.2533	0.000	0.000	0.9708	0.02924
cu	0.7800	0.9074	0.000	0.004602	0.9937	0.001700
fe	3.040	3.211	0.1294	0.3562	0.5105	0.003940
k	65.78	49.02	0.001622	0.003583	0.9866	0.008178
mn	0.5300	0.04956	0.1281	0.1169	0.6616	0.09341
na	12.76	13.14	0.000	0.000	0.1497	0.8503
pb	0.8500	0.2563	0.000	0.01892	0.9594	0.02167
v	0.000	0.03650	0.1335	0.2916	0.000	0.5749
zn	1.470	0.01320	0.1555	0.7042	0.000	0.1403
si	6.350	7.189	0.2096	0.4467	0.3421	0.001631
al	5.160	5.229	0.05935	0.4039	0.5330	0.003777
ca	3.660	3.771	0.05849	0.04411	0.8694	0.02799
ti	0.9400	0.2329	0.2594	0.5593	0.1760	0.005301
zr	0.000	0.01394	0.000	0.7344	0.000	0.2656
ni	0.000	0.01846	0.1077	0.3575	0.000	0.5349
as	0.000	0.01184	0.000	0.9218	0.000	0.07821
se	0.000	0.005775	0.000	0.8397	0.000	0.1603

230.8   8.000   18.00

Valid cases:	18	Dependent variable:		Y
Missing cases:	0	Deletion method:		None
Total SS:	2136.506	Degrees of freedom:		14
R-squared:	0.914	Rbar-squared:		0.896
Residual SS:	182.836	Std error of est:		3.614
$F_{(4,14)}$:	37.399	Probability of F:		0.000

Variable	Estimate	Standard Error	t-value	Prob $> \lvert t \rvert$	Standardized Estimate	Cor with Dep Var
Soil	0.036346	0.392187	0.092675	0.927	0.016866	0.376730
Coal fired	0.548131	0.330437	1.658804	0.119	0.301909	0.397213
Burn	5.726934	0.438011	13.074852	0.000	0.877679	0.911658
Lime	0.121564	0.099929	1.216499	0.244	0.081318	0.138709

	Measured	Predicted	Soil	Coal fired	Burn	Lime
b_{abs}	24.87	33.27	0.000	0.000	0.9983	0.001695
br	0.7300	0.1747	0.000	0.000	0.9833	0.01670
cu	0.000	0.6476	0.000	0.02624	0.9728	0.0009386
fe	2.890	6.040	0.03899	0.7706	0.1896	0.0008252
k	42.70	34.71	0.001299	0.02059	0.9736	0.004550
mn	1.090	0.05190	0.06933	0.4541	0.4414	0.03513
na	5.550	5.776	0.000	0.000	0.2379	0.7621
pb	0.9100	0.1937	0.000	0.1019	0.8868	0.01129
v	0.7600	0.05433	0.05084	0.7970	0.000	0.1521
zn	1.950	0.03971	0.02929	0.9523	0.000	0.01837
si	14.96	15.64	0.05460	0.8353	0.1098	0.0002953
al	12.26	10.72	0.01640	0.8013	0.1816	0.0007254
ca	7.970	3.134	0.03989	0.2160	0.7309	0.01326
ti	2.990	0.5934	0.05770	0.8932	0.04826	0.0008194
zr	0.000	0.04312	0.000	0.9662	0.000	0.03383
ni	0.1300	0.03188	0.03535	0.8426	0.000	0.1220
as	0.000	0.04476	0.000	0.9919	0.000	0.008147
se	0.1000	0.02010	0.000	0.9819	0.000	0.01815

231.3   8.000   19.00

Valid cases:	18	Dependent variable:		Y	
Missing cases:	0	Deletion method:		None	
Total SS:	1380.225	Degrees of freedom:		15	
R-squared:	0.980	Rbar-squared:		0.977	
Residual SS:	28.035	Std error of est:		1.367	
$F_{(3,15)}$:	241.160	Probability of F:		0.000	

Variable	Estimate	Standard Error	t-value	Prob $> |t|$	Standardized Estimate	Cor with Dep Var
Coal fired	0.668748	0.046006	14.536185	0.000	0.438425	0.512962
Burn	4.473219	0.165682	26.998814	0.000	0.815971	0.868635
Lime	0.256689	0.037803	6.790122	0.000	0.204377	0.258299

	Measured	Predicted	Coal fired	Burn	Lime
b_{abs}	23.95	26.06	0.000	0.9954	0.004570
br	0.3700	0.1404	0.000	0.9561	0.04389
cu	0.5100	0.5141	0.04033	0.9572	0.002497
fe	5.890	6.584	0.8625	0.1359	0.001599
k	29.55	27.60	0.03160	0.9563	0.01208
mn	1.200	0.05050	0.5694	0.3543	0.07625
na	10.31	10.37	0.000	0.1035	0.8965
pb	1.450	0.1629	0.1478	0.8238	0.02836
v	0.000	0.07029	0.7517	0.000	0.2483
zn	1.920	0.04768	0.9677	0.000	0.03230
si	15.69	17.29	0.9218	0.07760	0.0005641
al	14.46	12.02	0.8721	0.1265	0.001366
ca	3.970	2.703	0.3056	0.6620	0.03248
ti	2.280	0.6701	0.9651	0.03338	0.001532
zr	0.000	0.05391	0.9429	0.000	0.05714
ni	0.000	0.04098	0.7996	0.000	0.2004
as	0.000	0.05494	0.9860	0.000	0.01402
se	0.000	0.02484	0.9690	0.000	0.03099

231.8   8.000   19.00

Valid cases:	18	Dependent variable:		Y
Missing cases:	0	Deletion method:		None
Total SS:	1305.137	Degrees of freedom:		15
R-squared:	0.951	Rbar-squared:		0.945
Residual SS:	63.674	Std error of est:		2.060
F(3,15):	97.486	Probability of F:		0.000

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	1.132918	0.082290	13.767451	0.000	0.682887	0.740778
Burn	3.252100	0.249673	13.025422	0.000	0.647398	0.707440
X3	-0.019941	0.056972	-0.350013	0.731	-0.017327	0.027243

	Measured	Predicted	Soil	Burn	Lime
b_{abs}	17.17	18.85	0.000	1.000	-0.0004908
br	0.000	0.09708	0.000	1.005	-0.004930
cu	0.000	0.3576	0.000	1.000	-0.0002788
fe	6.490	7.991	0.9187	0.08140	-0.0001023
k	22.42	20.57	0.06831	0.9330	-0.001259
mn	0.7700	0.1249	0.8982	0.1042	-0.002395
na	0.000	0.05845	0.000	13.35	-12.35
pb	1.410	0.09720	0.000	1.004	-0.003693
v	0.8500	0.08475	1.016	0.000	-0.01600
zn	0.9400	0.03613	1.003	0.000	-0.003311
si	28.88	27.60	0.9647	0.03535	-2.746E-05
al	0.000	6.588	0.8323	0.1678	-0.0001937
ca	7.630	5.191	0.7507	0.2506	-0.001314
ti	1.780	1.083	0.9851	0.01501	-7.362E-05
zr	0.000	-0.0002393	-0.000	-0.000	1.000
ni	0.000	0.03448	1.019	0.000	-0.01851
as	0.000	-5.982E-05	-0.000	-0.000	1.000
se	0.06000	-5.982E-05	-0.000	-0.000	1.000

232.3   8.000   20.00

Valid cases:	18	Dependent variable:	Y			
Missing cases:	0	Deletion method:	None			
Total SS:	4361.789	Degrees of freedom:	14			
R-squared:	0.990	Rbar-squared:	0.988			
Residual SS:	42.254	Std error of est:	1.737			
$F(4,14)$:	357.798	Probability of F:	0.000			

Variable	Estimate	Standard Error	t-value	Prob $> \lvert t \rvert$	Standardized Estimate	Cor with Dep Var
Soil	1.548537	0.188536	8.213470	0.000	0.477623	0.732861
Coal fired	0.587280	0.158851	3.697039	0.002	0.215003	0.714888
Burn	5.918070	0.210566	28.105588	0.000	0.602837	0.681702
Lime	0.586868	0.048039	12.216486	0.000	0.260934	0.302567

	Measured	Predicted	Soil	Coal fired	Burn	Lime
b_{abs}	31.66	34.60	0.000	0.000	0.9921	0.007871
br	0.9100	0.1916	0.000	0.000	0.9265	0.07350
cu	0.000	0.6721	0.000	0.02709	0.9685	0.004366
fe	13.95	16.23	0.6183	0.3073	0.07293	0.001483
k	41.07	38.36	0.05005	0.01996	0.9101	0.01987
mn	0.9200	0.2110	0.7264	0.1197	0.1122	0.04171
na	22.58	22.67	0.000	0.000	0.06265	0.9373
pb	2.140	0.2092	0.000	0.1010	0.8485	0.05048
v	0.4700	0.2040	0.5769	0.2274	0.000	0.1956
zn	2.000	0.09360	0.5294	0.4329	0.000	0.03762
si	51.95	52.19	0.6973	0.2682	0.03402	0.0004273
al	19.80	18.75	0.3997	0.4910	0.1073	0.002003
ca	11.79	8.620	0.6180	0.08414	0.2746	0.02328
ti	2.980	2.059	0.7086	0.2759	0.01437	0.001140
zr	0.000	0.05168	0.000	0.8637	0.000	0.1363
ni	0.000	0.09556	0.5023	0.3011	0.000	0.1965
as	0.4100	0.04933	0.000	0.9643	0.000	0.03569
se	0.000	0.02290	0.000	0.9231	0.000	0.07687

232.8   8.000   20.00

Valid cases:	18	Dependent variable:		Y	
Missing cases:	0	Deletion method:		None	
Total SS:	7012.359	Degrees of freedom:		14	
R-squared:	0.964	Rbar-squared:		0.956	
Residual SS:	253.258	Std error of est:		4.253	
$F_{(4,14)}$:	93.410	Probability of F:		0.000	

Variable	Estimate	Standard Error	t-value	Prob $> \|t\|$	Standardized Estimate	Cor with Dep Var
Soil	2.405065	0.170417	14.112786	0.000	0.607930	0.667934
Burn	7.879692	0.712856	11.053690	0.000	0.657798	0.756711
Lime	0.536775	0.117720	4.559774	0.000	0.195589	0.241064
Trans	0.126993	0.161571	0.785990	0.445	0.046495	0.503809

	Measured	Predicted	Soil	Burn	Lime	Trans
b_{abs}	50.13	50.50	0.000	0.9051	0.004932	0.08999
br	1.350	0.4523	0.000	0.5226	0.02848	0.4489
cu	0.000	0.8700	0.000	0.9963	0.003085	0.0005839
fe	17.33	17.21	0.9058	0.09160	0.001279	0.001306
k	51.26	50.17	0.05944	0.9266	0.01390	1.266E-05
mn	1.470	0.2925	0.8139	0.1077	0.02752	0.05079
na	21.32	21.33	0.000	0.08867	0.9113	0.000
pb	2.820	1.077	0.000	0.2194	0.008969	0.7716
v	0.000	0.2193	0.8335	0.000	0.1665	0.000
zn	5.480	0.09314	0.8263	0.000	0.03458	0.1391
si	61.89	58.91	0.9593	0.04012	0.0003462	0.0001940
al	0.000	14.36	0.8107	0.1866	0.002392	0.0003449
ca	10.85	11.62	0.7123	0.2714	0.01580	0.0005576
ti	2.060	2.307	0.9820	0.01708	0.0009306	0.000
zr	0.000	0.006441	0.000	0.000	1.000	0.000
ni	0.5000	0.09199	0.8105	0.000	0.1867	0.002761
as	1.000	0.001610	0.000	0.000	1.000	0.000
se	0.1600	0.001610	0.000	0.000	1.000	0.000

233.3   8.000   21.00

Valid cases:	18	Dependent variable:	Y
Missing cases:	0	Deletion method:	None
Total SS:	370.059	Degrees of freedom:	15
R-squared:	0.920	Rbar-squared:	0.909
Residual SS:	29.725	Std error of est:	1.408
F(3,15):	57.246	Probability of F:	0.000

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	0.735299	0.056404	13.036261	0.000	0.831641	0.862633
Burn	0.910548	0.235259	3.870405	0.001	0.340119	0.507053
Lime	0.082066	0.053426	1.536067	0.145	0.134444	0.371675

	Measured	Predicted	Soil	Burn	Lime
b_{abs}	8.194	8.218	0.000	0.6427	0.3573
br	0.000	0.1585	0.000	0.1723	0.8277
cu	0.000	0.1005	0.000	0.9967	0.003267
fe	3.300	4.961	0.9604	0.03671	0.002928
k	6.370	6.284	0.1451	0.8549	6.529E-05
mn	0.8200	0.08604	0.8461	0.04233	0.1116
na	0.000	0.2185	0.000	1.000	0.000
pb	0.7400	0.5644	0.000	0.04840	0.9516
v	1.370	0.05588	1.000	0.000	0.000
zn	0.9300	0.03190	0.7376	0.000	0.2624
si	18.37	17.56	0.9840	0.01556	0.0004206
al	0.000	3.872	0.9192	0.07996	0.0008267
ca	5.630	2.898	0.8729	0.1257	0.001444
ti	1.510	0.6972	0.9935	0.006530	0.000
zr	0.000	0.000	-NAN	-NAN	-NAN
ni	0.000	0.02296	0.9929	0.000	0.007149
as	0.000	0.000	-NAN	-NAN	-NAN
se	0.000	0.000	-NAN	-NAN	-NAN

235.3 8.000 23.00

Valid cases:	18	Dependent variable:		Y
Missing cases:	0	Deletion method:		None
Total SS:	8204.499	Degrees of freedom:		14
R-squared:	0.985	Rbar-squared:		0.981
Residual SS:	125.921	Std error of est:		2.999
F(4,14):	224.546	Probability of F:		0.000

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	1.364610	0.120166	11.356055	0.000	0.336964	0.357511
Burn	2.177306	0.502654	4.331620	0.000	0.177562	0.366501
Lime	2.427355	0.083007	29.242682	0.000	0.864041	0.878883
Trans	0.420962	0.113928	3.694991	0.002	0.150564	0.285025

	Measured	Predicted	Soil	Burn	Lime	Trans
b_{abs}	29.10	28.82	0.000	0.4382	0.03908	0.5227
br	0.9900	0.7967	0.000	0.08199	0.07312	0.8449
cu	0.5700	0.2533	0.000	0.9454	0.04791	0.006647
fe	6.550	9.452	0.9355	0.04607	0.01053	0.007883
k	17.39	17.69	0.09564	0.7260	0.1782	0.0001190
mn	0.7200	0.2295	0.5887	0.03795	0.1587	0.2146
na	88.37	88.42	0.000	0.005910	0.9941	0.000
pb	1.300	2.864	0.000	0.02281	0.01525	0.9619
v	0.4800	0.2688	0.3859	0.000	0.6141	0.000
zn	1.550	0.1012	0.4316	0.000	0.1440	0.4244
si	34.11	32.85	0.9762	0.01988	0.002808	0.001153
al	0.000	7.517	0.8787	0.09848	0.02067	0.002184
ca	13.75	6.417	0.7316	0.1357	0.1294	0.003346
ti	2.000	1.306	0.9842	0.008335	0.007434	0.000
zr	0.000	0.02913	0.000	0.000	1.000	0.000
ni	0.1700	0.1208	0.3501	0.000	0.6429	0.006968
as	0.000	0.007282	0.000	0.000	1.000	0.000
se	0.1100	0.007282	0.000	0.000	1.000	0.000

235.8   8.000   23.00

Valid cases:	18	Dependent variable:		Y
Missing cases:	0	Deletion method:		None
Total SS:	5713.156	Degrees of freedom:		14
R-squared:	0.951	Rbar-squared:		0.941
Residual SS:	279.000	Std error of est:		4.464
$F_{(4,14)}$:	68.170	Probability of F:		0.000

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	2.228650	0.178869	12.459690	0.000	0.625271	0.654607
Burn	3.130129	0.748208	4.183498	0.000	0.290031	0.604004
Lime	1.072174	0.123558	8.677519	0.000	0.433629	0.459354
Trans	0.823912	0.169583	4.858450	0.000	0.334818	0.542300

	Measured	Predicted	Soil	Burn	Lime	Trans
b_{abs}	49.00	48.13	0.000	0.3772	0.01034	0.6125
br	1.530	1.437	0.000	0.06534	0.01791	0.9168
cu	4.940	0.3530	0.000	0.9755	0.01519	0.009337
fe	8.530	15.26	0.9465	0.04103	0.002881	0.009558
k	22.27	22.63	0.1221	0.8161	0.06155	0.0001821
mn	0.7000	0.3456	0.6383	0.03622	0.04653	0.2789
na	39.58	39.57	0.000	0.01898	0.9810	0.000
pb	0.8400	5.506	0.000	0.01706	0.003505	0.9794
v	0.000	0.2423	0.6991	0.000	0.3009	0.000
zn	5.230	0.1618	0.4408	0.000	0.03976	0.5194
si	57.41	53.43	0.9803	0.01758	0.0007626	0.001388
al	0.000	11.95	0.9025	0.08905	0.005741	0.002689
ca	11.66	9.327	0.8219	0.1342	0.03931	0.004505
ti	2.210	2.119	0.9906	0.007385	0.002024	0.000
zr	0.000	0.01287	0.000	0.000	1.000	0.000
ni	0.1000	0.1050	0.6577	0.000	0.3266	0.01569
as	0.000	0.003217	0.000	0.000	1.000	0.000
se	0.1400	0.003217	0.000	0.000	1.000	0.000

236.3   8.000   24.00

Valid cases:	18	Dependent variable:	Y
Missing cases:	0	Deletion method:	None
Total SS:	13441.241	Degrees of freedom:	14
R-squared:	0.997	Rbar-squared:	0.996
Residual SS:	45.875	Std error of est:	1.810
$F_{(4,14)}$:	1022.000	Probability of F:	0.000

Variable	Estimate	Standard Error	t-value	Prob $> \lvert t \rvert$	Standardized Estimate	Cor with Dep Var
Soil	1.705821	0.072530	23.518794	0.000	0.326363	0.351056
Burn	3.563851	0.303394	11.746628	0.000	0.225187	0.394071
Lime	3.125965	0.050102	62.392270	0.000	0.862140	0.879624
Trans	0.443706	0.068765	6.452516	0.000	0.122960	0.290110

	Measured	Predicted	Soil	Burn	Lime	Trans
b_{abs}	38.14	38.00	0.000	0.5440	0.03817	0.4178
br	1.890	0.8914	0.000	0.1199	0.08416	0.7959
cu	0.8200	0.4094	0.000	0.9575	0.03817	0.004335
fe	9.650	11.97	0.9232	0.05953	0.01070	0.006559
k	26.86	27.20	0.07775	0.7729	0.1493	8.155E-05
mn	1.110	0.2819	0.5990	0.05056	0.1663	0.1841
na	114.0	114.0	0.000	0.007500	0.9925	0.000
pb	2.050	3.067	0.000	0.03486	0.01834	0.9468
v	0.000	0.3422	0.3788	0.000	0.6212	0.000
zn	1.370	0.1186	0.4603	0.000	0.1581	0.3816
si	41.50	41.31	0.9703	0.02588	0.002875	0.0009666
al	7.800	9.685	0.8524	0.1251	0.02066	0.001787
ca	13.95	8.385	0.6998	0.1700	0.1275	0.002699
ti	2.710	1.637	0.9815	0.01088	0.007637	0.000
zr	0.000	0.03751	0.000	0.000	1.000	0.000
ni	0.2100	0.1538	0.3438	0.000	0.6504	0.005770
as	0.000	0.009378	0.000	0.000	1.000	0.000
se	0.2500	0.009378	0.000	0.000	1.000	0.000

236.8   8.000   24.00

Valid cases:	18	Dependent variable:		Y
Missing cases:	0	Deletion method:		None
Total SS:	1729.439	Degrees of freedom:		14
R-squared:	0.977	Rbar-squared:		0.973
Residual SS:	39.038	Std error of est:		1.670
F(4,14):	151.553	Probability of F:		0.000

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	0.617366	0.066908	9.227072	0.000	0.322512	0.355790
Burn	1.873677	0.279877	6.694653	0.000	0.323262	0.513701
Lime	1.045006	0.046218	22.610246	0.000	0.786953	0.811181
Trans	0.213817	0.063435	3.370660	0.005	0.161789	0.395416

	Measured	Predicted	Soil	Burn	Lime	Trans
b_{abs}	19.24	19.00	0.000	0.5719	0.02552	0.4026
br	0.9500	0.4232	0.000	0.1328	0.05927	0.8079
cu	0.000	0.2122	0.000	0.9713	0.02462	0.004031
fe	4.620	4.456	0.8978	0.08410	0.009615	0.008493
k	12.85	13.18	0.05809	0.8388	0.1030	8.112E-05
mn	0.8400	0.1093	0.5592	0.06857	0.1434	0.2289
na	38.26	38.29	0.000	0.01174	0.9883	0.000
pb	0.000	1.474	0.000	0.03812	0.01276	0.9491
v	0.6800	0.1180	0.3977	0.000	0.6023	0.000
zn	0.9600	0.04784	0.4130	0.000	0.1311	0.4559
si	15.19	15.13	0.9589	0.03715	0.002625	0.001272
al	0.000	3.700	0.8075	0.1722	0.01807	0.002254
ca	7.800	3.242	0.6552	0.2312	0.1103	0.003364
ti	0.5900	0.5951	0.9772	0.01574	0.007024	0.000
zr	0.4000	0.01254	0.000	0.000	1.000	0.000
ni	0.1700	0.05301	0.3611	0.000	0.6309	0.008068
as	0.000	0.003135	0.000	0.000	1.000	0.000
se	0.1700	0.003135	0.000	0.000	1.000	0.000

237.3   8.000   25.00

Valid cases:	18	Dependent variable:			Y
Missing cases:	0	Deletion method:			None
Total SS:	6673.988	Degrees of freedom:			14
R-squared:	0.995	Rbar-squared:			0.994
Residual SS:	30.720	Std error of est:			1.481
$F_{(4,14)}$:	756.894	Probability of F:			0.000

Variable	Estimate	Standard Error	t-value	Prob $> |t|$	Standardized Estimate	Cor with Dep Var
Soil	0.715312	0.059353	12.051899	0.000	0.202201	0.220234
Burn	1.589766	0.248272	6.403323	0.000	0.148415	0.286386
Lime	2.302980	0.040999	56.171410	0.000	0.938438	0.949978
Trans	0.212700	0.056271	3.779893	0.002	0.087088	0.201914

	Measured	Predicted	Soil	Burn	Lime	Trans
b_{abs}	18.13	17.90	0.000	0.5151	0.05970	0.4252
br	1.250	0.4431	0.000	0.1076	0.1247	0.7676
cu	1.200	0.1872	0.000	0.9340	0.06150	0.004544
fe	4.480	5.085	0.9115	0.06252	0.01857	0.007403
k	13.07	13.26	0.06690	0.7074	0.2256	8.021E-05
mn	0.000	0.1366	0.5184	0.04655	0.2529	0.1822
na	83.76	83.77	0.000	0.004555	0.9954	0.000
pb	0.000	1.481	0.000	0.03220	0.02799	0.9398
v	0.000	0.2110	0.2577	0.000	0.7423	0.000
zn	1.400	0.05840	0.3919	0.000	0.2366	0.3715
si	18.03	17.39	0.9664	0.02742	0.005031	0.001101
al	0.000	4.158	0.8326	0.1300	0.03544	0.001995
ca	6.430	3.895	0.6317	0.1633	0.2022	0.002785
ti	1.320	0.6910	0.9752	0.01150	0.01333	0.000
zr	0.000	0.02764	0.000	0.000	1.000	0.000
ni	0.000	0.09630	0.2303	0.000	0.7653	0.004418
as	0.000	0.006909	0.000	0.000	1.000	0.000
se	0.000	0.006909	0.000	0.000	1.000	0.000

237.8   8.000   25.00

Valid cases:	18	Dependent variable:		Y
Missing cases:	0	Deletion method:		None
Total SS:	1796.473	Degrees of freedom:		14
R-squared:	0.964	Rbar-squared:		0.956
Residual SS:	65.060	Std error of est:		2.156
F(4,14):	93.144	Probability of F:		0.000

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	1.031760	0.086375	11.945093	0.000	0.511449	0.552936
Burn	2.602379	0.361308	7.202671	0.000	0.426040	0.602484
Lime	0.837024	0.059666	14.028591	0.000	0.598120	0.629452
Trans	0.187166	0.081891	2.285548	0.038	0.134386	0.437048

	Measured	Predicted	Soil	Burn	Lime	Trans
b_{abs}	22.23	22.18	0.000	0.6805	0.01751	0.3020
br	1.170	0.3974	0.000	0.1964	0.05055	0.7530
cu	0.6700	0.2912	0.000	0.9831	0.01437	0.002571
fe	5.670	7.274	0.9192	0.07156	0.004718	0.004555
k	17.69	17.72	0.07219	0.8664	0.06135	5.281E-05
mn	0.000	0.1470	0.6948	0.07081	0.08541	0.1490
na	30.90	30.93	0.000	0.02019	0.9798	0.000
pb	0.8500	1.318	0.000	0.05923	0.01143	0.9293
v	0.000	0.1353	0.5794	0.000	0.4206	0.000
zn	1.600	0.05713	0.5779	0.000	0.08791	0.3342
si	26.02	25.08	0.9669	0.03113	0.001268	0.0006718
al	0.000	5.939	0.8408	0.1490	0.009019	0.001229
ca	9.620	4.886	0.7264	0.2130	0.05859	0.001954
ti	1.710	0.9883	0.9834	0.01317	0.003388	0.000
zr	0.000	0.01004	0.000	0.000	1.000	0.000
ni	0.000	0.05914	0.5408	0.000	0.4529	0.006329
as	0.000	0.002511	0.000	0.000	1.000	0.000
se	0.000	0.002511	0.000	0.000	1.000	0.000

239.3   8.000   27.00

Valid cases:	18	Dependent variable:	Y
Missing cases:	0	Deletion method:	None
Total SS:	5389.657	Degrees of freedom:	14
R-squared:	0.982	Rbar-squared:	0.978
Residual SS:	96.451	Std error of est:	2.625
$F_{(4,14)}$:	192.078	Probability of F:	0.000

Variable	Estimate	Standard Error	t-value	Prob $> |t|$	Standardized Estimate	Cor with Dep Var
Soil	0.773697	0.284850	2.716157	0.017	0.214409	0.601859
Coal fired	1.060792	0.240001	4.419956	0.000	0.348929	0.611550
Burn	7.472008	0.318133	23.487068	0.000	0.683857	0.756083
Lime	0.842489	0.072580	11.607788	0.000	0.336560	0.382681

	Measured	Predicted	Soil	Coal fired	Burn	Lime
b_{abs}	37.37	43.73	0.000	0.000	0.9911	0.008940
br	1.600	0.2444	0.000	0.000	0.9173	0.08274
cu	0.4700	0.8590	0.000	0.03828	0.9568	0.004904
fe	15.74	15.55	0.3224	0.5793	0.09610	0.002221
k	53.54	47.52	0.02019	0.02911	0.9277	0.02303
mn	0.7400	0.1647	0.4650	0.2769	0.1814	0.07671
na	32.13	32.30	0.000	0.000	0.05552	0.9445
pb	0.7700	0.2775	0.000	0.1376	0.8077	0.05465
v	0.000	0.1999	0.2942	0.4192	0.000	0.2866
zn	1.340	0.1030	0.2404	0.7106	0.000	0.04907
si	44.66	45.74	0.3975	0.5528	0.04901	0.0006999
al	23.66	22.97	0.1630	0.7240	0.1106	0.002347
ca	10.84	7.249	0.3672	0.1807	0.4123	0.03975
ti	2.810	1.795	0.4060	0.5714	0.02081	0.001877
zr	0.000	0.09073	0.000	0.8886	0.000	0.1114
ni	0.000	0.1029	0.2330	0.5050	0.000	0.2619
as	0.2200	0.08845	0.000	0.9714	0.000	0.02857
se	0.1700	0.04072	0.000	0.9379	0.000	0.06208

239.8   8.000   27.00

Valid cases:	18	Dependent variable:		Y	
Missing cases:	0	Deletion method:		None	
Total SS:	3770.935	Degrees of freedom:		15	
R-squared:	0.960	Rbar-squared:		0.954	
Residual SS:	152.425	Std error of est:		3.188	
F(3,15):	118.698	Probability of F:		0.000	

Variable	Estimate	Standard Error	t-value	Prob > $|t|$	Standardized Estimate	Cor with Dep Var
Coal fired	1.579577	0.107273	14.724898	0.000	0.620268	0.681431
Burn	6.106088	0.386324	15.805599	0.000	0.667149	0.737328
Lime	0.464288	0.088147	5.267214	0.000	0.221420	0.266570

	Measured	Predicted	Coal fired	Burn	Lime
b_{abs}	34.71	35.63	0.000	0.9940	0.006046
br	1.450	0.1943	0.000	0.9427	0.05734
cu	0.4600	0.7230	0.06773	0.9291	0.003211
fe	10.75	14.65	0.9154	0.08335	0.001299
k	39.13	38.69	0.05324	0.9312	0.01559
mn	0.7600	0.09931	0.6839	0.2459	0.07013
na	18.22	18.28	0.000	0.08018	0.9198
pb	1.800	0.2484	0.2289	0.7374	0.03364
v	0.8200	0.1564	0.7981	0.000	0.2019
zn	1.960	0.1118	0.9751	0.000	0.02492
si	34.75	39.50	0.9532	0.04637	0.0004466
al	35.89	26.87	0.9216	0.07726	0.001106
ca	9.180	4.552	0.4286	0.5366	0.03488
ti	0.000	1.560	0.9792	0.01957	0.001191
zr	0.000	0.1256	0.9556	0.000	0.04435
ni	0.000	0.09226	0.8390	0.000	0.1610
as	0.000	0.1293	0.9892	0.000	0.01077
se	0.000	0.05826	0.9761	0.000	0.02391

240.3   8.000   28.00

Valid cases:	18	Dependent variable:		Y	
Missing cases:	0	Deletion method:		None	
Total SS:	18145.728	Degrees of freedom:		13	
R-squared:	0.995	Rbar-squared:		0.993	
Residual SS:	98.873	Std error of est:		2.758	
$F(5,13)$:	474.567	Probability of F:		0.000	

Variable	Estimate	Standard Error	t-value	Prob $> |t|$	Standardized Estimate	Cor with Dep Var
Soil	1.950165	0.299320	6.515321	0.000	0.298219	0.822308
Coal fired	2.898105	0.252202	11.491215	0.000	0.526034	0.838372
Burn	7.338070	0.462372	15.870501	0.000	0.370598	0.558714
Lime	0.873871	0.076331	11.448467	0.000	0.192636	0.221731
Trans	0.666852	0.104778	6.364416	0.000	0.147705	0.408442

	Measured	Predicted	Soil	Coal fired	Burn	Lime	Trans
b_{abs}	67.14	66.83	0.000	0.000	0.6369	0.006067	0.3571
br	1.390	1.307	0.000	0.000	0.1684	0.01604	0.8156
cu	0.5200	0.9041	0.000	0.09937	0.8928	0.004833	0.002950
fe	37.05	38.87	0.3251	0.6331	0.03776	0.0009218	0.003037
k	49.75	50.63	0.04776	0.07464	0.8551	0.02242	6.585E-05
mn	1.950	0.4382	0.4406	0.2844	0.06699	0.02992	0.1781
na	33.35	33.40	0.000	0.000	0.05272	0.9473	0.000
pb	2.900	4.705	0.000	0.02218	0.04679	0.003343	0.9277
v	0.000	0.4366	0.3395	0.5244	0.000	0.1361	0.000
zn	3.020	0.3356	0.1859	0.5958	0.000	0.01562	0.2027
si	116.0	117.2	0.3910	0.5894	0.01878	0.0002833	0.0005121
al	59.61	57.46	0.1643	0.7909	0.04342	0.0009734	0.0004527
ca	22.24	13.56	0.4949	0.2640	0.2165	0.02205	0.002509
ti	4.670	4.680	0.3926	0.5989	0.007840	0.0007469	0.000
zr	0.000	0.2307	0.000	0.9546	0.000	0.04545	0.000
ni	0.000	0.2318	0.2609	0.6127	0.000	0.1207	0.005755
as	0.000	0.2374	0.000	0.9890	0.000	0.01104	0.000
se	0.1400	0.1070	0.000	0.9755	0.000	0.02451	0.000

240.8   8.000   28.00

Valid cases:	18	Dependent variable:	Y
Missing cases:	0	Deletion method:	None
Total SS:	33996.560	Degrees of freedom:	14
R-squared:	0.985	Rbar-squared:	0.982
Residual SS:	495.526	Std error of est:	5.949
$F_{(4,14)}$:	236.624	Probability of F:	0.000

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	2.931768	0.645711	4.540374	0.000	0.331368	0.780865
Coal fired	3.283151	0.544063	6.034507	0.000	0.440461	0.788848
Burn	11.632876	0.994571	11.696381	0.000	0.434235	0.644636
Trans	1.251766	0.225821	5.543171	0.000	0.204931	0.506752

	Measured	Predicted	Soil	Coal fired	Burn	Trans
b_{abs}	112.7	112.3	0.000	0.000	0.6010	0.3990
br	2.080	2.351	0.000	0.000	0.1485	0.8515
cu	1.310	1.386	0.000	0.07341	0.9230	0.003612
fe	60.10	49.42	0.3844	0.5641	0.04707	0.004483
k	75.28	76.56	0.04749	0.05592	0.8965	8.175E-05
mn	3.920	0.6244	0.4648	0.2261	0.07452	0.2346
na	0.000	2.792	0.000	0.000	1.000	0.000
pb	5.520	8.660	0.000	0.01365	0.04030	0.9461
v	0.000	0.4822	0.4621	0.5379	0.000	0.000
zn	14.38	0.4480	0.2094	0.5056	0.000	0.2850
si	146.1	150.8	0.4570	0.5191	0.02315	0.0007473
al	70.18	69.67	0.2037	0.7389	0.05677	0.0007007
ca	30.42	18.86	0.5348	0.2150	0.2468	0.003385
ti	5.090	5.995	0.4607	0.5296	0.009703	0.000
zr	0.000	0.2495	0.000	1.000	0.000	0.000
ni	0.4100	0.2543	0.3574	0.6327	0.000	0.009846
as	0.000	0.2659	0.000	1.000	0.000	0.000
se	0.1800	0.1182	0.000	1.000	0.000	0.000

241.3   8.000   29.00

Valid cases:	18	Dependent variable:	Y
Missing cases:	0	Deletion method:	None
Total SS:	4069.379	Degrees of freedom:	13
R-squared:	0.977	Rbar-squared:	0.970
Residual SS:	94.100	Std error of est:	2.690
$F(5,13)$:	109.837	Probability of F:	0.000

Variable	Estimate	Standard Error	t-value	Prob $> \lvert t \rvert$	Standardized Estimate	Cor with Dep Var
Soil	0.511599	0.292007	1.752011	0.103	0.163994	0.459629
Coal fired	0.694524	0.246040	2.822811	0.014	0.264253	0.466923
Burn	4.959579	0.451075	10.995032	0.000	0.525048	0.827363
Lime	0.619304	0.074466	8.316623	0.000	0.286173	0.326110
Trans	0.768723	0.102218	7.520421	0.000	0.356920	0.723433

	Measured	Predicted	Soil	Coal fired	Burn	Lime	Trans
b_{abs}	57.03	56.56	0.000	0.000	0.5086	0.005081	0.4863
br	1.700	1.393	0.000	0.000	0.1068	0.01067	0.8825
cu	0.5000	0.5733	0.000	0.03756	0.9517	0.005402	0.005364
fe	17.30	10.37	0.3198	0.5689	0.09569	0.002450	0.01313
k	30.86	31.61	0.02007	0.02865	0.9257	0.02545	0.0001216
mn	2.120	0.1996	0.2538	0.1496	0.09940	0.04655	0.4506
na	23.60	23.62	0.000	0.000	0.05040	0.9496	0.000
pb	2.310	5.216	0.000	0.004793	0.02852	0.002137	0.9645
v	0.6900	0.1359	0.2862	0.4038	0.000	0.3100	0.000
zn	4.190	0.1464	0.1118	0.3273	0.000	0.02538	0.5355
si	27.89	30.16	0.3986	0.5489	0.04934	0.0007803	0.002294
al	14.56	15.12	0.1638	0.7201	0.1115	0.002621	0.001983
ca	8.040	4.852	0.3627	0.1768	0.4088	0.04365	0.008079
ti	1.910	1.181	0.4081	0.5688	0.02100	0.002098	0.000
zr	0.000	0.06022	0.000	0.8766	0.000	0.1234	0.000
ni	0.3900	0.07125	0.2226	0.4777	0.000	0.2782	0.02158
as	0.3400	0.05811	0.000	0.9680	0.000	0.03197	0.000
se	0.1000	0.02686	0.000	0.9308	0.000	0.06917	0.000

241.8   8.000   29.00

Valid cases:	18	Dependent variable:		Y
Missing cases:	0	Deletion method:		None
Total SS:	162.016	Degrees of freedom:		15
R-squared:	0.814	Rbar-squared:		0.789
Residual SS:	30.146	Std error of est:		1.418
F(3,15):	21.872	Probability of F:		0.000

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Coal fired	0.219339	0.047706	4.597716	0.000	0.398042	0.441628
Burn	0.895778	0.171805	5.213914	0.000	0.452310	0.531224
Lime	0.305015	0.039200	7.780910	0.000	0.672244	0.702763

	Measured	Predicted	Coal fired	Burn	Lime
b_{abs}	4.548	5.337	0.000	0.9735	0.02652
br	0.000	0.03419	0.000	0.7859	0.2141
cu	0.000	0.1069	0.06363	0.9221	0.01427
fe	3.980	2.054	0.9067	0.08722	0.006088
k	6.510	5.967	0.04793	0.8857	0.06640
mn	0.5300	0.01759	0.5362	0.2037	0.2601
na	11.22	11.26	0.000	0.01909	0.9809
pb	0.000	0.04026	0.1961	0.6675	0.1364
v	0.5700	0.03807	0.4552	0.000	0.5448
zn	0.4100	0.01696	0.8921	0.000	0.1079
si	3.590	5.509	0.9491	0.04878	0.002104
al	5.160	3.763	0.9139	0.08093	0.005187
ca	3.470	0.7335	0.3693	0.4885	0.1422
ti	3.600	0.2178	0.9738	0.02056	0.005602
zr	0.5100	0.02033	0.8200	0.000	0.1800
ni	0.000	0.02051	0.5241	0.000	0.4759
as	0.000	0.01868	0.9510	0.000	0.04898
se	0.06000	0.008811	0.8962	0.000	0.1038

242.8   8.000   30.00

Valid cases:	18	Dependent variable:	Y
Missing cases:	0	Deletion method:	None
Total SS:	5729.351	Degrees of freedom:	14
R-squared:	0.982	Rbar-squared:	0.978
Residual SS:	105.044	Std error of est:	2.739
F(4,14):	187.398	Probability of F:	0.000

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	0.265868	0.297267	0.894372	0.386	0.081068	0.137239
Coal fired	0.095959	0.250463	0.383127	0.707	0.034730	0.133591
Burn	2.154943	0.332001	6.490768	0.000	0.217009	0.287784
Lime	2.149559	0.075744	28.379396	0.000	0.944846	0.959234

	Measured	Predicted	Soil	Coal fired	Burn	Lime
b_{abs}	7.457	13.50	0.000	0.000	0.9261	0.07390
br	0.9200	0.1162	0.000	0.000	0.5562	0.4438
cu	2.130	0.2508	0.000	0.01186	0.9453	0.04286
fe	2.750	3.057	0.5636	0.2666	0.1410	0.02883
k	21.53	15.96	0.02065	0.007840	0.7966	0.1749
mn	0.4600	0.07131	0.3691	0.05786	0.1209	0.4522
na	78.18	78.35	0.000	0.000	0.006601	0.9934
pb	0.9300	0.1068	0.000	0.03235	0.6054	0.3623
v	0.6700	0.1740	0.1162	0.04358	0.000	0.8403
zn	1.950	0.02803	0.3036	0.2362	0.000	0.4602
si	8.060	9.263	0.6745	0.2469	0.06979	0.008818
al	4.730	3.662	0.3514	0.4109	0.2001	0.03757
ca	7.650	2.630	0.3477	0.04506	0.3277	0.2795
ti	1.200	0.3626	0.6907	0.2559	0.02971	0.02371
zr	0.000	0.03309	0.000	0.2204	0.000	0.7796
ni	0.000	0.08173	0.1008	0.05753	0.000	0.8416
as	0.000	0.01422	0.000	0.5466	0.000	0.4534
se	0.000	0.009903	0.000	0.3488	0.000	0.6512

243.3   8.000   31.00

Valid cases:	18	Dependent variable:		Y
Missing cases:	0	Deletion method:		None
Total SS:	4202.322	Degrees of freedom:		14
R-squared:	0.998	Rbar-squared:		0.997
Residual SS:	10.377	Std error of est:		0.861
$F_{(4,14)}$:	1413.939	Probability of F:		0.000

Variable	Estimate	Standard Error	t-value	Prob $> \lvert t \rvert$	Standardized Estimate	Cor with Dep Var
Soil	0.610954	0.034495	17.711266	0.000	0.215256	0.238067
Burn	1.752610	0.144294	12.146143	0.000	0.203933	0.319306
Lime	1.822575	0.023828	76.487686	0.000	0.925673	0.940397
Trans	0.105261	0.032704	3.218560	0.006	0.053718	0.206615

	Measured	Predicted	Soil	Burn	Lime	Trans
b_{abs}	14.90	14.78	0.000	0.6879	0.05723	0.2549
br	0.5600	0.2646	0.000	0.1987	0.1653	0.6360
cu	0.000	0.2023	0.000	0.9529	0.04504	0.002081
fe	3.940	4.403	0.8992	0.07961	0.01697	0.004232
k	13.25	13.47	0.05626	0.7679	0.1758	3.908E-05
mn	0.6300	0.1071	0.5645	0.06543	0.2551	0.1149
na	66.40	66.42	0.000	0.006333	0.9937	0.000
pb	0.000	0.7743	0.000	0.06790	0.04237	0.8897
v	0.4200	0.1704	0.2725	0.000	0.7275	0.000
zn	0.8700	0.04122	0.4743	0.000	0.2653	0.2605
si	14.86	14.96	0.9596	0.03514	0.004629	0.0006332
al	2.820	3.674	0.8049	0.1622	0.03175	0.001117
ca	5.930	3.431	0.6125	0.2043	0.1817	0.001564
ti	1.760	0.5916	0.9729	0.01481	0.01232	0.000
zr	0.000	0.02187	0.000	0.000	1.000	0.000
ni	0.1200	0.07747	0.2445	0.000	0.7528	0.002717
as	0.000	0.005468	0.000	0.000	1.000	0.000
se	0.000	0.005468	0.000	0.000	1.000	0.000

243.8   8.000   31.00

Valid cases:	18	Dependent variable:			Y
Missing cases:	0	Deletion method:			None
Total SS:	1321.329	Degrees of freedom:			15
R-squared:	0.957	Rbar-squared:			0.952
Residual SS:	56.263	Std error of est:			1.937
F(3,15):	112.424	Probability of F:			0.000

Variable	Estimate	Standard Error	t-value	Prob > |t|	Standardized Estimate	Cor with Dep Var
Soil	0.919947	0.077353	11.892874	0.000	0.526215	0.584370
Burn	3.312516	0.234695	14.114151	0.000	0.625770	0.701821
Lime	0.549054	0.053554	10.252390	0.000	0.452732	0.495186

	Measured	Predicted	Soil	Burn	Lime
b_{abs}	18.11	19.47	0.000	0.9869	0.01309
br	1.230	0.1126	0.000	0.8829	0.1171
cu	1.430	0.3671	0.000	0.9925	0.007478
fe	5.330	6.646	0.8969	0.09968	0.003387
k	22.79	21.40	0.05331	0.9134	0.03333
mn	0.5600	0.1126	0.8091	0.1177	0.07317
na	20.62	20.68	0.000	0.03845	0.9615
pb	0.000	0.1093	0.000	0.9095	0.09045
v	0.000	0.1073	0.6519	0.000	0.3481
zn	1.920	0.03273	0.8994	0.000	0.1006
si	23.56	22.63	0.9552	0.04391	0.0009218
al	0.000	5.614	0.7931	0.2006	0.006259
ca	8.170	4.677	0.6766	0.2833	0.04015
ti	0.9800	0.8853	0.9788	0.01871	0.002481
zr	0.000	0.006589	0.000	0.000	1.000
ni	0.000	0.04609	0.6188	0.000	0.3812
as	0.000	0.001647	0.000	0.000	1.000
se	0.09000	0.001647	0.000	0.000	1.000