

The GLM Procedure

Class Level Information		
Class	Levels	Values
Weekend	2	0 1
Month	12	1 2 3 4 5 6 7 8 9 10 11 12
COVID_Period	4	1 2 3 4

Number of Observations Read	1566
Number of Observations Used	1566

The GLM Procedure

Dependent Variable: Bldg_A_Consumption Bldg A Consumption from Utility (kWh)

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	14	2655139301	189652807	76.48	<.0001
Error	1551	3845908589	2479632		
Corrected Total	1565	6501047890			

R-Square	Coeff Var	Root MSE	Bldg_A_ConsumptionMean
0.408417	29.80779	1574.685	5282.795

Source	DF	Type I SS	Mean Square	F Value	Pr > F
COVID_Period	3	1955996400	651998800	262.94	<.0001
Month	11	699142900	63558445	25.63	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
COVID_Period	3	1980403285	660134428	266.22	<.0001
Month	11	699142900	63558445	25.63	<.0001

Parameter	Estimate		Standard Error	t Value	Pr > t
Intercept	6936.411671	B	157.9204768	43.92	<.0001
COVID_Period 1	-2778.728471	B	100.8508353	-27.55	<.0001
COVID_Period 2	-2025.860410	B	118.7068346	-17.07	<.0001
COVID_Period 3	-2248.694269	B	138.3358931	-16.26	<.0001
COVID_Period 4	0.000000	B	.	.	.
Month 1	-178.157557	B	199.4571270	-0.89	0.3719

The GLM Procedure

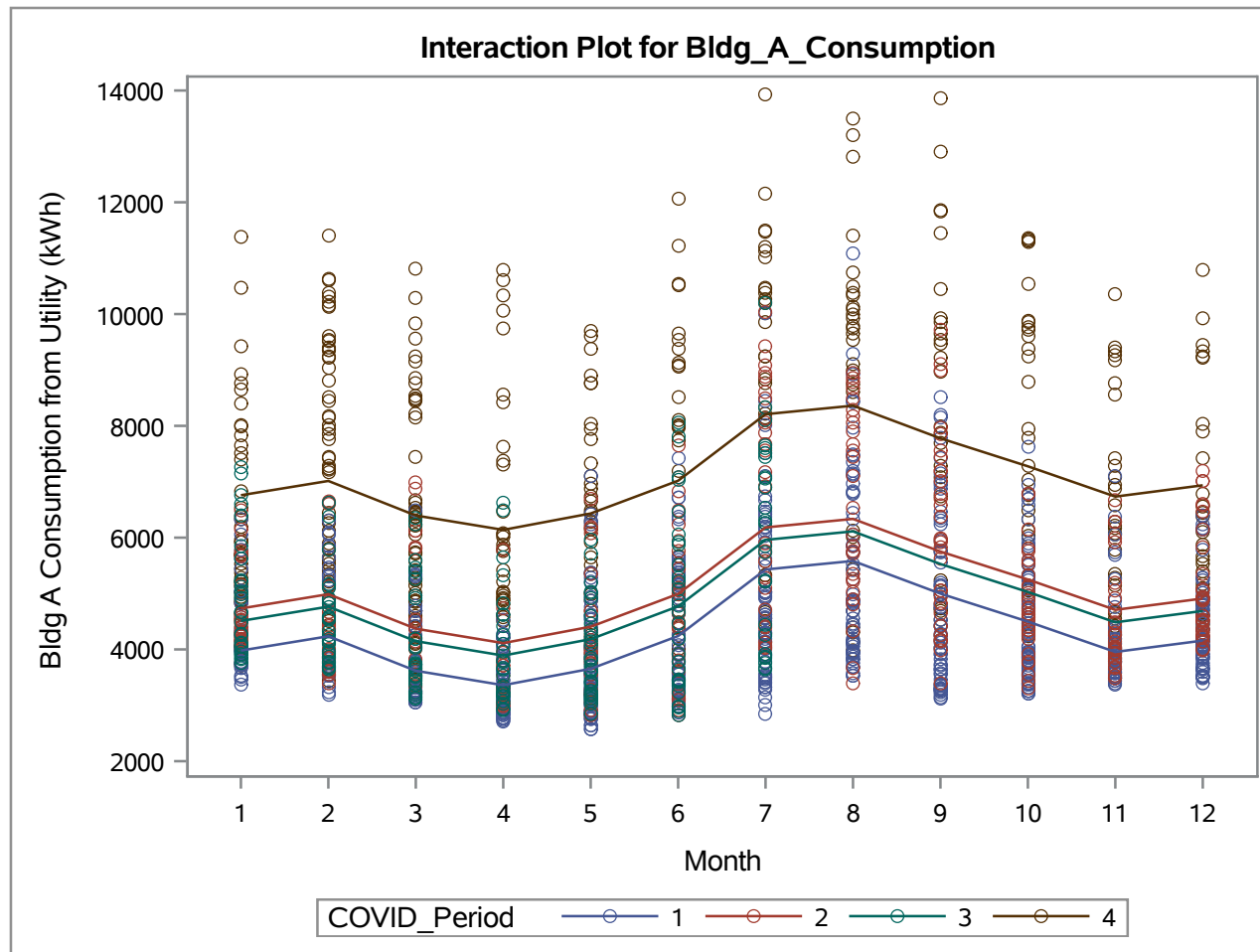
Dependent Variable: Bldg_A_Consumption Bldg A Consumption from Utility (kWh)

Parameter	Estimate		Standard Error	t Value	Pr > t
Month 2	77.467966	B	198.8563397	0.39	0.6969
Month 3	-540.078619	B	200.4419307	-2.69	0.0071
Month 4	-797.762413	B	197.1249352	-4.05	<.0001
Month 5	-504.219488	B	194.5431621	-2.59	0.0096
Month 6	81.967123	B	194.3785571	0.42	0.6733
Month 7	1272.043510	B	192.9756168	6.59	<.0001
Month 8	1424.665509	B	202.9651694	7.02	<.0001
Month 9	840.495410	B	201.6448002	4.17	<.0001
Month 10	339.924739	B	200.3915198	1.70	0.0900
Month 11	-202.809420	B	207.2752091	-0.98	0.3280
Month 12	0.000000	B	.	.	.

Note: The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.

The GLM Procedure

Dependent Variable: Bldg_A_Consumption Bldg A Consumption from Utility (kWh)



The GLM Procedure

Class Level Information		
Class	Levels	Values
Weekend	2	0 1
Month	12	1 2 3 4 5 6 7 8 9 10 11 12
COVID_Period	4	1 2 3 4

Number of Observations Read	1566
Number of Observations Used	1566

The GLM Procedure

Dependent Variable: Bldg_A_Consumption Bldg A Consumption from Utility (kWh)

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	18	3821918759	212328820	122.60	<.0001
Error	1547	2679129131	1731822		
Corrected Total	1565	6501047890			

R-Square	Coeff Var	Root MSE	Bldg_A_ConsumptionMean
0.587893	24.91081	1315.987	5282.795

Source	DF	Type I SS	Mean Square	F Value	Pr > F
Weekend	1	862646760	862646760	498.12	<.0001
COVID_Period	3	1963778617	654592872	377.98	<.0001
Weekend*COVID_Period	3	288955079	96318360	55.62	<.0001
Month	11	706538302	64230755	37.09	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Weekend	1	698059586	698059586	403.08	<.0001
COVID_Period	3	1099005997	366335332	211.53	<.0001
Weekend*COVID_Period	3	286021358	95340453	55.05	<.0001
Month	11	706538302	64230755	37.09	<.0001

The GLM Procedure

Dependent Variable: Bldg_A_Consumption Bldg A Consumption from Utility (kWh)

Parameter	Estimate		Standard Error	t Value	Pr > t
Intercept	4659.203941	B	165.7556716	28.11	<.0001
Weekend 0	3177.663866	B	140.2731069	22.65	<.0001
Weekend 1	0.000000	B	.	.	.
COVID_Period 1	-1208.237986	B	155.8751444	-7.75	<.0001
COVID_Period 2	-766.575320	B	186.5057181	-4.11	<.0001
COVID_Period 3	-644.053670	B	213.9032507	-3.01	0.0026
COVID_Period 4	0.000000	B	.	.	.
Weekend*COVID_Period 0 1	-2194.940150	B	182.7613805	-12.01	<.0001
Weekend*COVID_Period 0 2	-1775.317743	B	218.8956452	-8.11	<.0001
Weekend*COVID_Period 0 3	-2247.887174	B	250.3297597	-8.98	<.0001
Weekend*COVID_Period 0 4	0.000000	B	.	.	.
Weekend*COVID_Period 1 1	0.000000	B	.	.	.
Weekend*COVID_Period 1 2	0.000000	B	.	.	.
Weekend*COVID_Period 1 3	0.000000	B	.	.	.
Weekend*COVID_Period 1 4	0.000000	B	.	.	.
Month 1	-160.139175	B	166.7278633	-0.96	0.3370
Month 2	109.291171	B	166.1964642	0.66	0.5109
Month 3	-566.742245	B	167.5550450	-3.38	0.0007
Month 4	-818.423049	B	164.7579096	-4.97	<.0001
Month 5	-496.294841	B	162.6309386	-3.05	0.0023
Month 6	98.874449	B	162.4601028	0.61	0.5429
Month 7	1267.480481	B	161.2828796	7.86	<.0001
Month 8	1425.726385	B	169.6647883	8.40	<.0001

The GLM Procedure

Dependent Variable: Bldg_A_Consumption Bldg A Consumption from Utility (kWh)

Parameter		Estimate		Standard Error	t Value	Pr > t
Month	9	844.116630	B	168.5215616	5.01	<.0001
Month	10	343.714464	B	167.4936003	2.05	0.0403
Month	11	-216.156799	B	173.2392840	-1.25	0.2123
Month	12	0.000000	B	.	.	.

Note: The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.

The GLM Procedure

Class Level Information		
Class	Levels	Values
Weekend	2	0 1
Month	12	1 2 3 4 5 6 7 8 9 10 11 12
COVID_Period	4	1 2 3 4

Number of Observations Read	1566
Number of Observations Used	1566

The GLM Procedure

Dependent Variable: Log_Bldg_A_Consumption Log of Bldg A Consumption (kWh)

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	14	78.6953613	5.6210972	79.14	<.0001
Error	1551	110.1684204	0.0710306		
Corrected Total	1565	188.8637817			

R-Square	Coeff Var	Root MSE	Log_Bldg_A_ConsumptionMean
0.416678	3.132467	0.266516	8.508169

Source	DF	Type I SS	Mean Square	F Value	Pr > F
COVID_Period	3	56.43557303	18.81185768	264.84	<.0001
Month	11	22.25978823	2.02361711	28.49	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
COVID_Period	3	56.11503922	18.70501307	263.34	<.0001
Month	11	22.25978823	2.02361711	28.49	<.0001

Parameter	Estimate		Standard Error	t Value	Pr > t
Intercept	8.807069925	B	0.02672807	329.51	<.0001
COVID_Period 1	-0.471542404	B	0.01706902	-27.63	<.0001
COVID_Period 2	-0.319483295	B	0.02009115	-15.90	<.0001
COVID_Period 3	-0.366392745	B	0.02341337	-15.65	<.0001
COVID_Period 4	0.000000000	B	.	.	.
Month 1	-0.028282202	B	0.03375815	-0.84	0.4023

The GLM Procedure

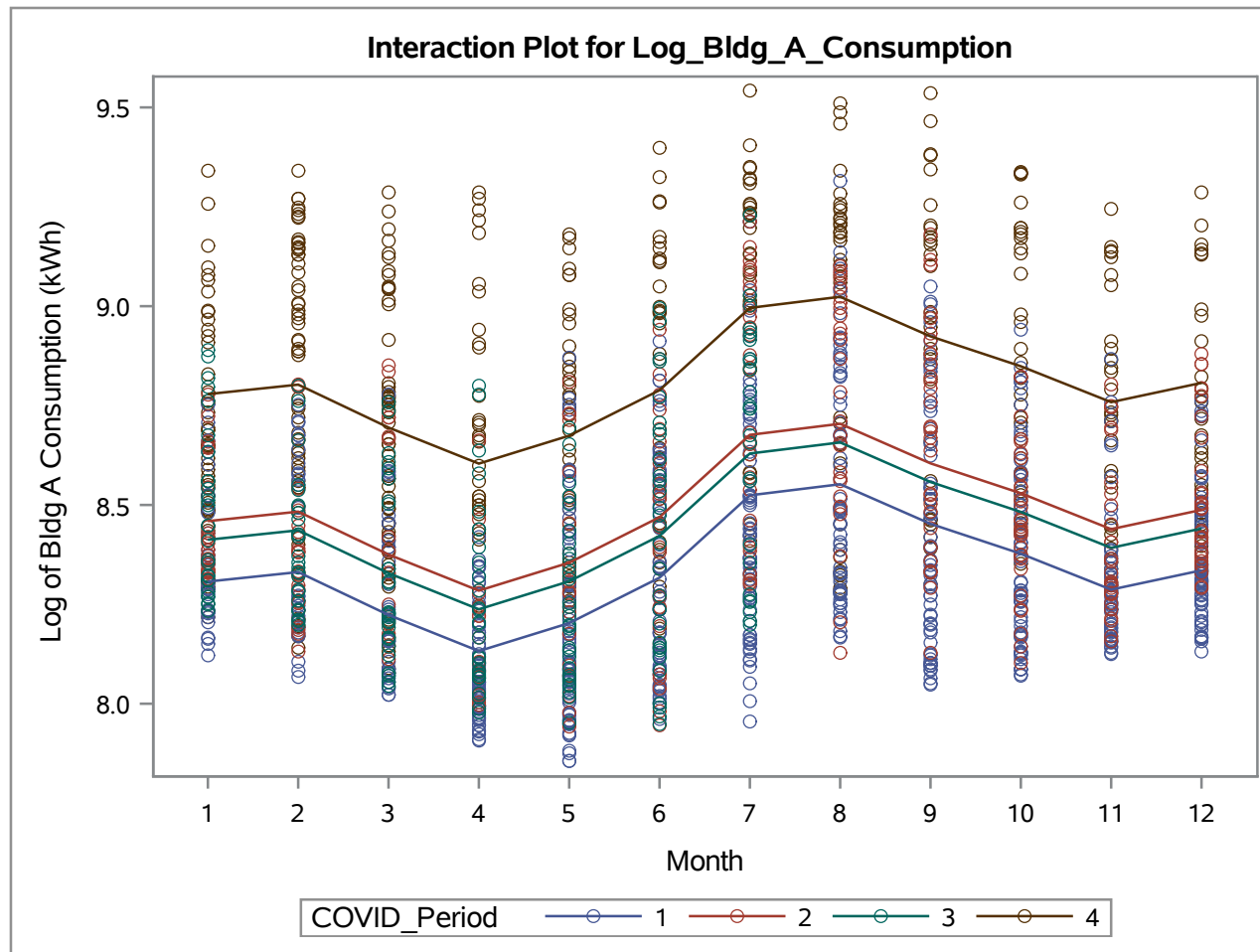
Dependent Variable: Log_Bldg_A_Consumption Log of Bldg A Consumption (kWh)

Parameter	Estimate		Standard Error	t Value	Pr > t
Month 2	-0.004399745	B	0.03365647	-0.13	0.8960
Month 3	-0.112285585	B	0.03392483	-3.31	0.0010
Month 4	-0.203133679	B	0.03336343	-6.09	<.0001
Month 5	-0.132748069	B	0.03292646	-4.03	<.0001
Month 6	-0.018436849	B	0.03289860	-0.56	0.5753
Month 7	0.188683992	B	0.03266115	5.78	<.0001
Month 8	0.216551512	B	0.03435189	6.30	<.0001
Month 9	0.117063742	B	0.03412841	3.43	0.0006
Month 10	0.041782569	B	0.03391630	1.23	0.2182
Month 11	-0.048468384	B	0.03508136	-1.38	0.1673
Month 12	0.000000000	B	.	.	.

Note: The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.

The GLM Procedure

Dependent Variable: Log_Bldg_A_Consumption Log of Bldg A Consumption (kWh)



The GLM Procedure

Class Level Information		
Class	Levels	Values
Weekend	2	0 1
Month	12	1 2 3 4 5 6 7 8 9 10 11 12
COVID_Period	4	1 2 3 4

Number of Observations Read	1566
Number of Observations Used	1566

The GLM Procedure

Dependent Variable: Log_Bldg_A_Consumption Log of Bldg A Consumption (kWh)

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	18	111.5299211	6.1961067	123.95	<.0001
Error	1547	77.3338606	0.0499896		
Corrected Total	1565	188.8637817			

R-Square	Coeff Var	Root MSE	Log_Bldg_A_ConsumptionMean
0.590531	2.627868	0.223583	8.508169

Source	DF	Type I SS	Mean Square	F Value	Pr > F
Weekend	1	27.68548716	27.68548716	553.83	<.0001
COVID_Period	3	56.64790098	18.88263366	377.73	<.0001
Weekend*COVID_Period	3	4.63882202	1.54627401	30.93	<.0001
Month	11	22.55771094	2.05070099	41.02	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Weekend	1	22.59537069	22.59537069	452.00	<.0001
COVID_Period	3	34.69324391	11.56441464	231.34	<.0001
Weekend*COVID_Period	3	4.57807534	1.52602511	30.53	<.0001
Month	11	22.55771094	2.05070099	41.02	<.0001

The GLM Procedure

Dependent Variable: Log_Bldg_A_Consumption Log of Bldg A Consumption (kWh)

Parameter	Estimate		Standard Error	t Value	Pr > t
Intercept	8.456027738	B	0.02816154	300.27	<.0001
Weekend 0	0.489155988	B	0.02383211	20.53	<.0001
Weekend 1	0.000000000	B	.	.	.
COVID_Period 1	-0.274719532	B	0.02648286	-10.37	<.0001
COVID_Period 2	-0.164088529	B	0.03168693	-5.18	<.0001
COVID_Period 3	-0.157805407	B	0.03634171	-4.34	<.0001
COVID_Period 4	0.000000000	B	.	.	.
Weekend*COVID_Period 0 1	-0.275393085	B	0.03105078	-8.87	<.0001
Weekend*COVID_Period 0 2	-0.220317348	B	0.03718991	-5.92	<.0001
Weekend*COVID_Period 0 3	-0.292823961	B	0.04253050	-6.89	<.0001
Weekend*COVID_Period 0 4	0.000000000	B	.	.	.
Weekend*COVID_Period 1 1	0.000000000	B	.	.	.
Weekend*COVID_Period 1 2	0.000000000	B	.	.	.
Weekend*COVID_Period 1 3	0.000000000	B	.	.	.
Weekend*COVID_Period 1 4	0.000000000	B	.	.	.
Month 1	-0.023375716	B	0.02832671	-0.83	0.4094
Month 2	0.001529831	B	0.02823643	0.05	0.9568
Month 3	-0.117840289	B	0.02846725	-4.14	<.0001
Month 4	-0.206200192	B	0.02799202	-7.37	<.0001
Month 5	-0.129665678	B	0.02763066	-4.69	<.0001
Month 6	-0.016138027	B	0.02760163	-0.58	0.5589
Month 7	0.188959930	B	0.02740162	6.90	<.0001
Month 8	0.217341303	B	0.02882569	7.54	<.0001

The GLM Procedure

Dependent Variable: Log_Bldg_A_Consumption Log of Bldg A Consumption (kWh)

Parameter		Estimate		Standard Error	t Value	Pr > t
Month	9	0.117576688	B	0.02863146	4.11	<.0001
Month	10	0.043951285	B	0.02845681	1.54	0.1227
Month	11	-0.050678160	B	0.02943299	-1.72	0.0853
Month	12	0.000000000	B	.	.	.

Note: The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.