

Variable	Description	Definition
Residential	Calendar month customer count - historical data	from company records
Population	PSCo service territory population (000)	from IHS Markit
Aug08	August 2008 Binary variable	Binary variable for August 2008=1, otherwise =0
Sep08	September 2008 Binary variable	Binary variable for September 2008=1, otherwise =0
AR(1)	First order autoregressive term	
AR(2)	Second order autoregressive term	
SAR(1)	Seasonal autoregressive term	

Variable	Coefficient	StdErr	T-Stat	P-Value
Population	338.480	2.237	151.288	0.00%
Aug08	2090.652	380.651	5.492	0.00%
Sep08	1850.467	376.842	4.910	0.00%
AR(1)	1.278	0.075	17.137	0.00%
AR(2)	-0.293	0.073	-4.004	0.01%
SAR(1)	0.567	0.060	9.488	0.00%

Model Statistics

Iterations	20
Adjusted Observations	166
Deg. of Freedom for Error	160
R-Squared	1.000
Adjusted R-Squared	1.000
AIC	12.772
BIC	12.885
F-Statistic	
Prob (F-Statistic)	
Log-Likelihood	-1,289.64
Model Sum of Squares	484,880,079,317.02
Sum of Squared Errors	54,404,204.73
Mean Squared Error	340,026.28
Std. Error of Regression	583.12
Mean Abs. Dev. (MAD)	441.86
Mean Abs. % Err. (MAPE)	0.04%
Durbin-Watson Statistic	2.044
Durbin-H Statistic	
Ljung-Box Statistic	41.09
Prob (Ljung-Box)	0.0163
Skewness	0.645
Kurtosis	3.836
Jarque-Bera	16.351
Prob (Jarque-Bera)	0.0003

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2006	1	1,093,730.000				
2006	2	1,095,369.000				
2006	3	1,097,977.000				
2006	4	1,099,253.000				
2006	5	1,102,050.000				
2006	6	1,102,604.000				
2006	7	1,102,900.000				
2006	8	1,105,606.000				
2006	9	1,107,091.000				
2006	10	1,110,653.000				
2006	11	1,112,407.000				
2006	12	1,113,293.000				
2007	1	1,114,945.000				
2007	2	1,116,573.000				
2007	3	1,118,074.000	1,118,280.026	-206.026	-0.000	-0.353
2007	4	1,118,836.000	1,118,838.342	-2.342	-0.000	-0.004
2007	5	1,119,161.000	1,120,478.501	-1,317.501	-0.001	-2.259
2007	6	1,118,683.000	1,119,118.470	-435.470	-0.000	-0.747
2007	7	1,119,279.000	1,118,671.531	607.469	0.001	1.042
2007	8	1,121,500.000	1,120,995.409	504.591	0.000	0.865
2007	9	1,121,575.000	1,122,599.341	-1,024.341	-0.001	-1.757
2007	10	1,124,364.000	1,123,448.875	915.125	0.001	1.569
2007	11	1,124,988.000	1,125,660.429	-672.429	-0.001	-1.153
2007	12	1,126,019.000	1,125,474.445	544.555	0.000	0.934
2008	1	1,128,206.000	1,127,205.415	1,000.585	0.001	1.716
2008	2	1,128,873.000	1,129,581.584	-708.584	-0.001	-1.215
2008	3	1,129,038.000	1,129,749.891	-711.891	-0.001	-1.221
2008	4	1,129,193.000	1,129,390.279	-197.279	-0.000	-0.338
2008	5	1,129,686.000	1,129,431.389	254.611	0.000	0.437
2008	6	1,129,051.000	1,129,638.726	-587.726	-0.001	-1.008
2008	7	1,129,607.000	1,129,433.788	173.212	0.000	0.297
2008	8	1,134,953.000	1,133,179.251	1,773.749	0.002	3.042
2008	9	1,137,365.000	1,135,477.719	1,887.281	0.002	3.237
2008	10	1,139,447.000	1,137,970.078	1,476.922	0.001	2.533
2008	11	1,140,307.000	1,140,574.032	-267.032	-0.000	-0.458
2008	12	1,142,106.000	1,141,127.990	978.010	0.001	1.677
2009	1	1,143,341.000	1,143,782.006	-441.006	-0.000	-0.756
2009	2	1,143,251.000	1,143,808.199	-557.199	-0.000	-0.956
2009	3	1,144,991.000	1,143,315.084	1,675.916	0.001	2.874
2009	4	1,145,399.000	1,145,653.779	-254.779	-0.000	-0.437
2009	5	1,145,102.000	1,145,870.894	-768.894	-0.001	-1.319
2009	6	1,146,015.000	1,144,559.366	1,455.634	0.001	2.496
2009	7	1,145,742.000	1,146,716.714	-974.714	-0.001	-1.672
2009	8	1,146,301.000	1,147,447.181	-1,146.181	-0.001	-1.966

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2009	9	1,146,796.000	1,147,486.717	-690.717	-0.001	-1.185
2009	10	1,148,474.000	1,148,812.368	-338.368	-0.000	-0.580
2009	11	1,149,311.000	1,148,897.507	413.493	0.000	0.709
2009	12	1,150,181.000	1,150,533.931	-352.931	-0.000	-0.605
2010	1	1,152,270.000	1,150,948.243	1,321.757	0.001	2.267
2010	2	1,153,358.000	1,152,723.462	634.538	0.001	1.088
2010	3	1,154,935.000	1,154,752.543	182.457	0.000	0.313
2010	4	1,154,699.000	1,155,417.083	-718.083	-0.001	-1.231
2010	5	1,155,163.000	1,154,486.702	676.298	0.001	1.160
2010	6	1,156,812.000	1,156,233.227	578.773	0.001	0.993
2010	7	1,156,467.000	1,157,269.956	-802.956	-0.001	-1.377
2010	8	1,157,221.000	1,157,025.219	195.781	0.000	0.336
2010	9	1,157,289.000	1,157,931.923	-642.923	-0.001	-1.103
2010	10	1,157,862.000	1,158,496.056	-634.056	-0.001	-1.087
2010	11	1,159,354.000	1,158,561.052	792.948	0.001	1.360
2010	12	1,159,953.000	1,160,477.142	-524.142	-0.000	-0.899
2011	1	1,161,212.000	1,161,511.347	-299.347	-0.000	-0.513
2011	2	1,162,005.000	1,162,204.260	-199.260	-0.000	-0.342
2011	3	1,162,773.000	1,163,322.545	-549.545	-0.000	-0.942
2011	4	1,162,985.000	1,162,985.159	-0.159	-0.000	-0.000
2011	5	1,163,256.000	1,163,739.432	-483.432	-0.000	-0.829
2011	6	1,163,175.000	1,164,460.629	-1,285.629	-0.001	-2.205
2011	7	1,162,924.000	1,163,013.661	-89.661	-0.000	-0.154
2011	8	1,163,932.000	1,163,678.135	253.865	0.000	0.435
2011	9	1,163,607.000	1,164,484.492	-877.492	-0.001	-1.505
2011	10	1,164,575.000	1,164,185.362	389.638	0.000	0.668
2011	11	1,165,328.000	1,165,969.721	-641.721	-0.001	-1.101
2011	12	1,166,567.000	1,166,012.310	554.690	0.000	0.951
2012	1	1,167,758.000	1,167,912.877	-154.877	-0.000	-0.266
2012	2	1,168,658.000	1,168,719.090	-61.090	-0.000	-0.105
2012	3	1,170,079.000	1,169,600.581	478.419	0.000	0.820
2012	4	1,170,338.000	1,170,858.334	-520.334	-0.000	-0.892
2012	5	1,170,511.000	1,170,911.240	-400.240	-0.000	-0.686
2012	6	1,170,492.000	1,170,972.359	-480.359	-0.000	-0.824
2012	7	1,170,835.000	1,170,837.565	-2.565	-0.000	-0.004
2012	8	1,171,682.000	1,172,033.446	-351.446	-0.000	-0.603
2012	9	1,171,869.000	1,172,070.596	-201.596	-0.000	-0.346
2012	10	1,173,759.000	1,173,025.465	733.535	0.001	1.258
2012	11	1,174,860.000	1,175,069.121	-209.121	-0.000	-0.359
2012	12	1,176,356.000	1,176,252.524	103.476	0.000	0.177
2013	1	1,178,232.000	1,177,756.290	475.710	0.000	0.816
2013	2	1,179,260.000	1,179,580.416	-320.416	-0.000	-0.549
2013	3	1,180,108.000	1,180,708.336	-600.336	-0.001	-1.030
2013	4	1,180,758.000	1,180,769.300	-11.300	-0.000	-0.019

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2013	5	1,181,078.000	1,181,509.780	-431.780	-0.000	-0.740
2013	6	1,181,305.000	1,181,657.373	-352.373	-0.000	-0.604
2013	7	1,182,006.000	1,182,099.818	-93.818	-0.000	-0.161
2013	8	1,182,494.000	1,183,169.767	-675.767	-0.001	-1.159
2013	9	1,182,767.000	1,183,149.310	-382.310	-0.000	-0.656
2013	10	1,184,294.000	1,184,444.419	-150.419	-0.000	-0.258
2013	11	1,185,507.000	1,185,613.357	-106.357	-0.000	-0.182
2013	12	1,187,308.000	1,187,092.742	215.258	0.000	0.369
2014	1	1,189,178.000	1,189,213.637	-35.637	-0.000	-0.061
2014	2	1,190,421.000	1,190,559.807	-138.807	-0.000	-0.238
2014	3	1,191,823.000	1,191,660.211	162.789	0.000	0.279
2014	4	1,192,525.000	1,193,024.626	-499.626	-0.000	-0.857
2014	5	1,193,376.000	1,193,374.566	1.434	0.000	0.002
2014	6	1,194,113.000	1,194,548.806	-435.806	-0.000	-0.747
2014	7	1,195,176.000	1,195,463.189	-287.189	-0.000	-0.493
2014	8	1,196,383.000	1,196,428.281	-45.281	-0.000	-0.078
2014	9	1,197,415.000	1,197,593.078	-178.078	-0.000	-0.305
2014	10	1,199,345.000	1,199,323.942	21.058	0.000	0.036
2014	11	1,200,748.000	1,201,130.753	-382.753	-0.000	-0.656
2014	12	1,202,621.000	1,202,770.697	-149.697	-0.000	-0.257
2015	1	1,205,083.000	1,204,726.206	356.794	0.000	0.612
2015	2	1,207,055.000	1,206,988.722	66.278	0.000	0.114
2015	3	1,208,767.000	1,209,008.924	-241.924	-0.000	-0.415
2015	4	1,209,647.000	1,210,223.911	-576.911	-0.000	-0.989
2015	5	1,210,195.000	1,211,070.114	-875.114	-0.001	-1.501
2015	6	1,210,960.000	1,210,827.696	132.304	0.000	0.227
2015	7	1,211,212.000	1,212,042.828	-830.828	-0.001	-1.425
2015	8	1,212,526.000	1,212,184.428	341.572	0.000	0.586
2015	9	1,213,588.000	1,213,683.508	-95.508	-0.000	-0.164
2015	10	1,215,297.000	1,215,210.048	86.952	0.000	0.149
2015	11	1,216,950.000	1,216,658.184	291.816	0.000	0.500
2015	12	1,218,662.000	1,218,643.064	18.936	0.000	0.032
2016	1	1,221,047.000	1,220,625.725	421.275	0.000	0.722
2016	2	1,222,675.000	1,222,824.194	-149.194	-0.000	-0.256
2016	3	1,224,269.000	1,224,163.940	105.060	0.000	0.180
2016	4	1,225,591.000	1,225,316.879	274.121	0.000	0.470
2016	5	1,226,513.000	1,226,503.770	9.230	0.000	0.016
2016	6	1,227,436.000	1,227,428.668	7.332	0.000	0.013
2016	7	1,228,069.000	1,228,040.212	28.788	0.000	0.049
2016	8	1,230,458.000	1,229,274.717	1,183.283	0.001	2.029
2016	9	1,231,402.000	1,231,839.991	-437.991	-0.000	-0.751
2016	10	1,232,945.000	1,232,771.124	173.876	0.000	0.298
2016	11	1,233,882.000	1,234,347.804	-465.804	-0.000	-0.799
2016	12	1,235,378.000	1,235,156.362	221.638	0.000	0.380

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2017	1	1,237,374.000	1,237,186.137	187.863	0.000	0.322
2017	2	1,238,884.000	1,238,783.886	100.114	0.000	0.172
2017	3	1,240,722.000	1,240,255.431	466.569	0.000	0.800
2017	4	1,241,530.000	1,242,032.989	-502.989	-0.000	-0.863
2017	5	1,242,803.000	1,242,363.132	439.868	0.000	0.754
2017	6	1,243,484.000	1,244,148.289	-664.289	-0.001	-1.139
2017	7	1,244,221.000	1,244,407.911	-186.911	-0.000	-0.321
2017	8	1,246,068.000	1,246,210.586	-142.586	-0.000	-0.245
2017	9	1,246,683.000	1,247,274.695	-591.695	-0.000	-1.015
2017	10	1,248,627.000	1,248,118.373	508.627	0.000	0.872
2017	11	1,250,412.000	1,250,002.903	409.097	0.000	0.702
2017	12	1,252,376.000	1,252,151.203	224.797	0.000	0.386
2018	1	1,254,871.000	1,254,352.645	518.355	0.000	0.889
2018	2	1,256,967.000	1,256,634.896	332.104	0.000	0.570
2018	3	1,258,636.000	1,258,873.257	-237.257	-0.000	-0.407
2018	4	1,259,528.000	1,259,780.122	-252.122	-0.000	-0.432
2018	5	1,261,103.000	1,260,883.794	219.206	0.000	0.376
2018	6	1,261,960.000	1,262,030.832	-70.832	-0.000	-0.121
2018	7	1,262,742.000	1,262,870.669	-128.669	-0.000	-0.221
2018	8	1,264,330.000	1,264,253.242	76.758	0.000	0.132
2018	9	1,265,355.000	1,265,193.573	161.427	0.000	0.277
2018	10	1,268,084.000	1,267,009.720	1,074.280	0.001	1.842
2018	11	1,269,390.000	1,269,909.988	-519.988	-0.000	-0.892
2018	12	1,271,423.000	1,270,930.869	492.131	0.000	0.844
2019	1	1,274,268.000	1,273,442.003	825.997	0.001	1.417
2019	2	1,275,983.000	1,276,196.522	-213.522	-0.000	-0.366
2019	3	1,277,437.000	1,277,404.753	32.247	0.000	0.055
2019	4	1,278,898.000	1,278,412.574	485.426	0.000	0.832
2019	5	1,279,894.000	1,280,385.407	-491.407	-0.000	-0.843
2019	6	1,280,795.000	1,280,792.962	2.038	0.000	0.003
2019	7	1,282,273.000	1,281,726.929	546.071	0.000	0.936
2019	8	1,283,394.000	1,283,836.532	-442.532	-0.000	-0.759
2019	9	1,284,640.000	1,284,390.558	249.442	0.000	0.428
2019	10	1,286,452.000	1,286,735.830	-283.830	-0.000	-0.487
2019	11	1,288,365.000	1,287,627.840	737.160	0.001	1.264
2019	12	1,289,801.000	1,290,083.515	-282.515	-0.000	-0.484
2020	1	1,291,879.000	1,291,759.102	119.898	0.000	0.206
2020	2	1,293,350.000	1,293,248.723	101.277	0.000	0.174
2020	3	1,294,963.000	1,294,278.900	684.100	0.001	1.173
2020	4	1,296,074.000	1,296,059.261	14.739	0.000	0.025
2020	5	1,296,992.000	1,296,756.252	235.748	0.000	0.404
2020	6	1,298,488.000	1,297,710.447	777.553	0.001	1.333
2020	7	1,299,476.000	1,299,685.771	-209.771	-0.000	-0.360
2020	8	1,300,623.000	1,300,227.724	395.276	0.000	0.678

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2020	9	1,301,183.000	1,301,581.918	-398.918	-0.000	-0.684
2020	10	1,302,596.000	1,302,265.949	330.051	0.000	0.566
2020	11	1,303,560.000	1,303,889.674	-329.674	-0.000	-0.565
2020	12	1,305,303.000	1,304,540.724	762.276	0.001	1.307
2021	1		1,306,916.821			
2021	2		1,308,040.597			
2021	3		1,309,436.796			
2021	4		1,310,537.337			
2021	5		1,311,526.723			
2021	6		1,312,882.225			
2021	7		1,313,951.399			
2021	8		1,315,112.789			
2021	9		1,315,960.661			
2021	10		1,317,294.416			
2021	11		1,318,375.480			
2021	12		1,319,939.187			
2022	1		1,321,431.535			
2022	2		1,322,647.791			
2022	3		1,324,018.350			
2022	4		1,325,223.001			
2022	5		1,326,366.361			
2022	6		1,327,703.739			
2022	7		1,328,880.388			
2022	8		1,330,110.997			
2022	9		1,331,172.956			
2022	10		1,332,512.105			
2022	11		1,333,709.470			
2022	12		1,335,186.954			

Variable	Description	Definition
	Calendar month customer count - historical	
CommIndust	data	from company records
Population	PSCo service territory population (000)	from IHS Markit
Mar	March Binary	Binary variable, March =1, other =0
Apr	April Binary	Binary variable, April =1, other =0
May	May Binary	Binary variable, May =1, other =0
Jun	June Binary	Binary variable, June =1, other =0
Jul	July Binary	Binary variable, July =1, other =0
Aug	August Binary	Binary variable, August =1, other =0
Sep	September Binary	Binary variable, September =1, other =0
Oct	October Binary	Binary variable, October =1, other =0
Dec	December Binary	Binary variable, December =1, other =0
AR(1)	First order autoregressive term	
MA(1)	Moving average term	

Variable	Coefficient	StdErr	T-Stat	P-Value
Population	33.999	9.853	3.451	0.07%
Mar	256.601	57.828	4.437	0.00%
Apr	384.402	68.032	5.650	0.00%
May	390.134	74.050	5.268	0.00%
Jun	463.987	76.817	6.040	0.00%
Jul	440.947	76.730	5.747	0.00%
Aug	513.662	73.780	6.962	0.00%
Sep	400.414	67.596	5.924	0.00%
Oct	337.685	57.143	5.909	0.00%
Dec	-87.125	48.368	-1.801	7.32%
AR(1)	0.999	0.002	#####	0.00%
MA(1)	-0.235	0.072	-3.240	0.14%

Model Statistics

Iterations	49
Adjusted Observations	203
Deg. of Freedom for Error	191
R-Squared	0.998
Adjusted R-Squared	0.998
AIC	11.075
BIC	11.271
F-Statistic	
Prob (F-Statistic)	
Log-Likelihood	-1,400.15
Model Sum of Squares	7,608,640,848.31
Sum of Squared Errors	11,639,355.59
Mean Squared Error	60,939.03
Std. Error of Regression	246.86
Mean Abs. Dev. (MAD)	139.84
Mean Abs. % Err. (MAPE)	0.09%
Durbin-Watson Statistic	1.853
Durbin-H Statistic	
Ljung-Box Statistic	31.19
Prob (Ljung-Box)	0.1483
Skewness	0.831
Kurtosis	34.075
Jarque-Bera	8191.238
Prob (Jarque-Bera)	0.0000

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2004	1	144,367.000				
2004	2	143,695.000	144,392.474	-697.474	-0.005	-2.825
2004	3	146,086.000	144,141.656	1,944.344	0.013	7.876
2004	4	146,082.000	145,781.555	300.445	0.002	1.217
2004	5	144,364.000	146,041.321	-1,677.321	-0.012	-6.795
2004	6	144,808.000	144,881.673	-73.673	-0.001	-0.298
2004	7	144,948.000	144,852.327	95.673	0.001	0.388
2004	8	145,088.000	145,048.293	39.707	0.000	0.161
2004	9	145,152.000	145,015.510	136.490	0.001	0.553
2004	10	145,002.000	145,107.241	-105.241	-0.001	-0.426
2004	11	144,426.000	144,739.239	-313.239	-0.002	-1.269
2004	12	144,147.000	144,463.040	-316.040	-0.002	-1.280
2005	1	144,222.000	144,359.344	-137.344	-0.001	-0.556
2005	2	144,384.000	144,305.469	78.531	0.001	0.318
2005	3	144,494.000	144,673.371	-179.371	-0.001	-0.727
2005	4	144,476.000	144,715.394	-239.394	-0.002	-0.970
2005	5	144,749.000	144,589.740	159.260	0.001	0.645
2005	6	144,905.000	144,891.624	13.376	0.000	0.054
2005	7	144,955.000	144,985.054	-30.054	-0.000	-0.122
2005	8	145,344.000	145,141.114	202.886	0.001	0.822
2005	9	145,421.000	145,289.316	131.684	0.001	0.533
2005	10	145,327.000	145,433.500	-106.500	-0.001	-0.431
2005	11	145,576.000	145,120.663	455.337	0.003	1.845
2005	12	145,556.000	145,487.895	68.105	0.000	0.276
2006	1	145,875.000	145,733.091	141.909	0.001	0.575
2006	2	145,632.000	145,947.566	-315.566	-0.002	-1.278
2006	3	146,023.000	146,068.998	-45.998	-0.000	-0.186
2006	4	145,965.000	146,268.013	-303.013	-0.002	-1.227
2006	5	146,403.000	146,148.684	254.316	0.002	1.030
2006	6	146,573.000	146,528.535	44.465	0.000	0.180
2006	7	146,571.000	146,650.955	-79.955	-0.001	-0.324
2006	8	146,931.000	146,774.085	156.915	0.001	0.636
2006	9	147,012.000	146,892.410	119.590	0.001	0.484
2006	10	147,410.000	147,032.650	377.350	0.003	1.529
2006	11	147,416.000	147,094.855	321.145	0.002	1.301
2006	12	147,386.000	147,364.365	21.635	0.000	0.088
2007	1	147,569.000	147,579.007	-10.007	-0.000	-0.041
2007	2	147,781.000	147,682.399	98.601	0.001	0.399
2007	3	148,135.000	148,125.470	9.530	0.000	0.039
2007	4	148,325.000	148,371.654	-46.654	-0.000	-0.189
2007	5	148,755.000	148,452.902	302.098	0.002	1.224
2007	6	148,962.000	148,865.355	96.645	0.001	0.391
2007	7	149,205.000	149,023.690	181.310	0.001	0.734
2007	8	149,475.000	149,342.455	132.545	0.001	0.537

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2007	9	149,300.000	149,437.885	-137.885	-0.001	-0.559
2007	10	149,440.000	149,377.128	62.872	0.000	0.255
2007	11	149,359.000	149,195.039	163.961	0.001	0.664
2007	12	149,179.000	149,340.769	-161.769	-0.001	-0.655
2008	1	149,317.000	149,411.753	-94.753	-0.001	-0.384
2008	2	149,271.000	149,447.061	-176.061	-0.001	-0.713
2008	3	149,309.000	149,677.011	-368.011	-0.002	-1.491
2008	4	149,568.000	149,631.735	-63.735	-0.000	-0.258
2008	5	149,824.000	149,697.348	126.652	0.001	0.513
2008	6	149,994.000	149,973.976	20.024	0.000	0.081
2008	7	150,203.000	150,072.178	130.822	0.001	0.530
2008	8	150,507.000	150,350.855	156.145	0.001	0.633
2008	9	150,630.000	150,462.861	167.139	0.001	0.677
2008	10	150,780.000	150,633.704	146.296	0.001	0.593
2008	11	150,791.000	150,513.570	277.430	0.002	1.124
2008	12	150,826.000	150,744.128	81.872	0.001	0.332
2009	1	150,940.000	150,999.295	-59.295	-0.000	-0.240
2009	2	150,824.000	151,059.457	-235.457	-0.002	-0.954
2009	3	151,035.000	151,241.742	-206.742	-0.001	-0.837
2009	4	151,144.000	151,317.481	-173.481	-0.001	-0.703
2009	5	151,188.000	151,296.850	-108.850	-0.001	-0.441
2009	6	151,359.000	151,379.271	-20.271	-0.000	-0.082
2009	7	151,383.000	151,432.670	-49.670	-0.000	-0.201
2009	8	151,439.000	151,559.453	-120.453	-0.001	-0.488
2009	9	151,413.000	151,446.306	-33.306	-0.000	-0.135
2009	10	151,615.000	151,450.467	164.533	0.001	0.667
2009	11	151,621.000	151,330.956	290.044	0.002	1.175
2009	12	151,687.000	151,557.821	129.179	0.001	0.523
2010	1	151,830.000	151,835.791	-5.791	-0.000	-0.023
2010	2	151,913.000	151,923.442	-10.442	-0.000	-0.042
2010	3	152,166.000	152,262.680	-96.680	-0.001	-0.392
2010	4	152,287.000	152,407.303	-120.303	-0.001	-0.487
2010	5	152,332.000	152,411.976	-79.976	-0.001	-0.324
2010	6	152,541.000	152,535.146	5.854	0.000	0.024
2010	7	152,500.000	152,627.163	-127.163	-0.001	-0.515
2010	8	152,626.000	152,713.357	-87.357	-0.001	-0.354
2010	9	152,714.000	152,644.208	69.792	0.000	0.283
2010	10	152,772.000	152,745.823	26.177	0.000	0.106
2010	11	152,769.000	152,539.156	229.844	0.002	0.931
2010	12	152,727.000	152,738.728	-11.728	-0.000	-0.048
2011	1	152,660.000	152,927.793	-267.793	-0.002	-1.085
2011	2	152,621.000	152,834.146	-213.146	-0.001	-0.863
2011	3	153,011.000	153,039.203	-28.203	-0.000	-0.114
2011	4	153,235.000	153,257.069	-22.069	-0.000	-0.089

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2011	5	153,370.000	153,357.653	12.347	0.000	0.050
2011	6	153,533.000	153,550.164	-17.164	-0.000	-0.070
2011	7	153,624.000	153,623.290	0.710	0.000	0.003
2011	8	153,753.000	153,805.917	-52.917	-0.000	-0.214
2011	9	153,739.000	153,761.671	-22.671	-0.000	-0.092
2011	10	153,823.000	153,791.180	31.820	0.000	0.129
2011	11	153,670.000	153,587.466	82.534	0.001	0.334
2011	12	153,490.000	153,673.103	-183.103	-0.001	-0.742
2012	1	153,566.000	153,729.990	-163.990	-0.001	-0.664
2012	2	153,588.000	153,714.613	-126.613	-0.001	-0.513
2012	3	154,028.000	153,984.634	43.366	0.000	0.176
2012	4	154,404.000	154,255.940	148.060	0.001	0.600
2012	5	154,673.000	154,485.204	187.796	0.001	0.761
2012	6	154,734.000	154,822.744	-88.744	-0.001	-0.359
2012	7	154,800.000	154,851.954	-51.954	-0.000	-0.210
2012	8	154,909.000	155,005.191	-96.191	-0.001	-0.390
2012	9	154,735.000	154,938.782	-203.782	-0.001	-0.826
2012	10	154,937.000	154,840.843	96.157	0.001	0.390
2012	11	154,723.000	154,697.420	25.580	0.000	0.104
2012	12	154,962.000	154,750.597	211.403	0.001	0.856
2013	1	155,191.000	155,120.062	70.938	0.000	0.287
2013	2	155,250.000	155,294.922	-44.922	-0.000	-0.182
2013	3	155,556.000	155,637.846	-81.846	-0.001	-0.332
2013	4	155,838.000	155,823.868	14.132	0.000	0.057
2013	5	156,165.000	155,961.313	203.687	0.001	0.825
2013	6	156,360.000	156,318.408	41.592	0.000	0.168
2013	7	156,470.000	156,454.609	15.391	0.000	0.062
2013	8	156,612.000	156,666.570	-54.570	-0.000	-0.221
2013	9	156,515.000	156,639.159	-124.159	-0.001	-0.503
2013	10	156,587.000	156,609.214	-22.214	-0.000	-0.090
2013	11	156,148.000	156,382.408	-234.408	-0.002	-0.950
2013	12	156,035.000	156,244.105	-209.105	-0.001	-0.847
2014	1	156,032.000	156,299.691	-267.691	-0.002	-1.084
2014	2	155,940.000	156,223.662	-283.662	-0.002	-1.149
2014	3	156,234.000	156,392.368	-158.368	-0.001	-0.642
2014	4	156,635.000	156,528.369	106.631	0.001	0.432
2014	5	157,098.000	156,745.024	352.976	0.002	1.430
2014	6	157,354.000	157,249.443	104.557	0.001	0.424
2014	7	157,550.000	157,466.851	83.149	0.001	0.337
2014	8	157,684.000	157,763.615	-79.615	-0.001	-0.323
2014	9	157,786.000	157,750.022	35.978	0.000	0.146
2014	10	157,690.000	157,875.425	-185.425	-0.001	-0.751
2014	11	157,391.000	157,556.718	-165.718	-0.001	-0.671
2014	12	157,177.000	157,503.883	-326.883	-0.002	-1.324

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2015	1	157,299.000	157,502.377	-203.377	-0.001	-0.824
2015	2	157,330.000	157,508.518	-178.518	-0.001	-0.723
2015	3	157,663.000	157,790.526	-127.526	-0.001	-0.517
2015	4	158,172.000	157,982.944	189.056	0.001	0.766
2015	5	158,205.000	158,295.400	-90.400	-0.001	-0.366
2015	6	158,541.000	158,417.965	123.035	0.001	0.498
2015	7	158,539.000	158,606.888	-67.888	-0.000	-0.275
2015	8	158,693.000	158,745.613	-52.613	-0.000	-0.213
2015	9	158,793.000	158,710.178	82.822	0.001	0.336
2015	10	158,636.000	158,828.872	-192.872	-0.001	-0.781
2015	11	158,451.000	158,461.920	-10.920	-0.000	-0.044
2015	12	158,458.000	158,484.824	-26.824	-0.000	-0.109
2016	1	158,595.000	158,669.899	-74.899	-0.000	-0.303
2016	2	158,664.000	158,731.203	-67.203	-0.000	-0.272
2016	3	158,980.000	159,055.128	-75.128	-0.000	-0.304
2016	4	159,412.000	159,244.327	167.673	0.001	0.679
2016	5	159,721.000	159,497.131	223.869	0.001	0.907
2016	6	159,996.000	159,830.102	165.898	0.001	0.672
2016	7	160,050.000	160,021.719	28.281	0.000	0.115
2016	8	160,383.000	160,203.827	179.173	0.001	0.726
2016	9	160,421.000	160,315.309	105.691	0.001	0.428
2016	10	160,420.000	160,421.042	-1.042	-0.000	-0.004
2016	11	159,860.000	160,170.216	-310.216	-0.002	-1.257
2016	12	159,669.000	159,933.760	-264.760	-0.002	-1.073
2017	1	159,778.000	159,906.665	-128.665	-0.001	-0.521
2017	2	159,886.000	159,896.771	-10.771	-0.000	-0.044
2017	3	160,207.000	160,233.759	-26.759	-0.000	-0.108
2017	4	160,420.000	160,429.802	-9.802	-0.000	-0.040
2017	5	160,625.000	160,516.822	108.178	0.001	0.438
2017	6	160,806.000	160,776.287	29.713	0.000	0.120
2017	7	160,820.000	160,878.854	-58.854	-0.000	-0.238
2017	8	161,098.000	161,009.529	88.471	0.001	0.358
2017	9	161,076.000	161,066.939	9.061	0.000	0.037
2017	10	161,080.000	161,114.160	-34.160	-0.000	-0.138
2017	11	160,837.000	160,853.450	-16.450	-0.000	-0.067
2017	12	160,780.000	160,856.929	-76.929	-0.000	-0.312
2018	1	160,882.000	160,988.521	-106.521	-0.001	-0.432
2018	2	161,046.000	161,010.514	35.486	0.000	0.144
2018	3	161,456.000	161,397.791	58.209	0.000	0.236
2018	4	161,828.000	161,673.656	154.344	0.001	0.625
2018	5	162,041.000	161,900.915	140.085	0.001	0.567
2018	6	162,157.000	162,171.918	-14.918	-0.000	-0.060
2018	7	162,370.000	162,227.503	142.497	0.001	0.577
2018	8	162,485.000	162,499.206	-14.206	-0.000	-0.058

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2018	9	162,453.000	162,465.119	-12.119	-0.000	-0.049
2018	10	162,541.000	162,483.221	57.779	0.000	0.234
2018	11	162,244.000	162,279.853	-35.853	-0.000	-0.145
2018	12	162,084.000	162,255.499	-171.499	-0.001	-0.695
2019	1	162,197.000	162,301.838	-104.838	-0.001	-0.425
2019	2	162,191.000	162,312.225	-121.225	-0.001	-0.491
2019	3	162,299.000	162,566.857	-267.857	-0.002	-1.085
2019	4	162,822.000	162,580.823	241.177	0.001	0.977
2019	5	163,133.000	162,862.026	270.974	0.002	1.098
2019	6	163,286.000	163,232.584	53.416	0.000	0.216
2019	7	163,512.000	163,339.790	172.210	0.001	0.698
2019	8	163,794.000	163,633.532	160.468	0.001	0.650
2019	9	163,883.000	163,730.750	152.250	0.001	0.617
2019	10	163,888.000	163,872.106	15.894	0.000	0.064
2019	11	163,782.000	163,634.217	147.783	0.001	0.599
2019	12	163,672.000	163,735.029	-63.029	-0.000	-0.255
2020	1	163,917.000	163,848.911	68.089	0.000	0.276
2020	2	164,057.000	163,975.985	81.015	0.000	0.328
2020	3	164,436.000	164,339.221	96.779	0.001	0.392
2020	4	164,733.000	164,585.680	147.320	0.001	0.597
2020	5	164,854.000	164,748.654	105.346	0.001	0.427
2020	6	164,962.000	164,954.119	7.881	0.000	0.032
2020	7	165,096.000	164,988.168	107.832	0.001	0.437
2020	8	165,129.000	165,194.402	-65.402	-0.000	-0.265
2020	9	165,102.000	165,084.936	17.064	0.000	0.069
2020	10	165,252.000	165,089.132	162.868	0.001	0.660
2020	11	165,083.000	164,929.832	153.168	0.001	0.620
2020	12	164,968.000	165,016.465	-48.465	-0.000	-0.196
2021	1		165,123.176			
2021	2		165,179.907			
2021	3		165,499.589			
2021	4		165,690.530			
2021	5		165,759.463			
2021	6		165,904.021			
2021	7		165,951.747			
2021	8		166,095.287			
2021	9		166,056.195			
2021	10		166,067.683			
2021	11		165,804.275			
2021	12		165,797.024			
2022	1		165,964.083			
2022	2		166,044.076			
2022	3		166,384.091			
2022	4		166,595.364			

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2022	5		166,684.628			
2022	6		166,844.750			
2022	7		166,908.039			
2022	8		167,067.141			
2022	9		167,042.955			
2022	10		167,069.347			
2022	11		166,820.843			
2022	12		166,826.584			

Variable	Description	Definition
StreetLight	calendar month customer count - historical data	from company records

Variable	Coefficient	StdErr	T-Stat	P-Value
Simple	0.628	0.104	6.049	0.000
Trend	0.013	0.022	0.595	0.554

Model Statistics

Iterations	18
Adjusted Observations	84
Deg. of Freedom for Error	82
R-Squared	0.936
Adjusted R-Squared	0.935
AIC	8.074
BIC	8.132
F-Statistic	
Prob (F-Statistic)	
Log-Likelihood	-456.29
Model Sum of Squares	3,764,223
Sum of Squared Errors	257,028
Mean Squared Error	3,134.49
Std. Error of Regression	55.99
Mean Abs. Dev. (MAD)	41.27
Mean Abs. % Err. (MAPE)	0.08%
Durbin-Watson Statistic	2.132
Durbin-H Statistic	0.000
Ljung-Box Statistic	90.38
Prob (Ljung-Box)	0.0000
Skewness	0.241
Kurtosis	3.115
Jarque-Bera	0.9
Prob (Jarque-Bera)	0.6505

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2014	1	53,658.00	53,669.294	-11.294	-0.02%	-0.202
2014	2	53,672.00	53,663.166	8.834	0.02%	0.158
2014	3	53,739.00	53,669.743	69.257	0.13%	1.237
2014	4	53,597.00	53,714.808	-117.808	-0.22%	-2.104
2014	5	53,783.00	53,641.501	141.499	0.26%	2.527
2014	6	53,748.00	53,732.103	15.897	0.03%	0.284
2014	7	53,838.00	53,743.996	94.004	0.17%	1.679
2014	8	53,780.00	53,805.677	-25.677	-0.05%	-0.459
2014	9	53,753.00	53,792.029	-39.029	-0.07%	-0.697
2014	10	53,791.00	53,769.683	21.317	0.04%	0.381
2014	11	53,690.00	53,785.388	-95.388	-0.18%	-1.704
2014	12	53,740.00	53,727.066	12.934	0.02%	0.231
2015	1	53,712.00	53,736.841	-24.841	-0.05%	-0.444
2015	2	53,717.00	53,722.704	-5.704	-0.01%	-0.102
2015	3	53,842.00	53,720.533	121.467	0.23%	2.170
2015	4	53,837.00	53,799.169	37.831	0.07%	0.676
2015	5	53,846.00	53,825.615	20.385	0.04%	0.364
2015	6	53,977.00	53,841.276	135.724	0.25%	2.424
2015	7	53,925.00	53,930.433	-5.433	-0.01%	-0.097
2015	8	53,915.00	53,930.944	-15.944	-0.03%	-0.285
2015	9	53,824.00	53,924.729	-100.729	-0.19%	-1.799
2015	10	53,877.00	53,864.479	12.521	0.02%	0.224
2015	11	53,788.00	53,875.415	-87.415	-0.16%	-1.561
2015	12	53,859.00	53,822.915	36.085	0.07%	0.645
2016	1	53,841.00	53,848.226	-7.226	-0.01%	-0.129
2016	2	53,860.00	53,846.293	13.707	0.03%	0.245
2016	3	53,965.00	53,857.610	107.390	0.20%	1.918
2016	4	53,928.00	53,928.601	-0.601	-0.00%	-0.011
2016	5	53,907.00	53,931.803	-24.803	-0.05%	-0.443
2016	6	54,016.00	53,919.613	96.387	0.18%	1.722
2016	7	53,952.00	53,984.273	-32.273	-0.06%	-0.576
2016	8	54,059.00	53,967.914	91.086	0.17%	1.627
2016	9	53,949.00	54,029.723	-80.723	-0.15%	-1.442
2016	10	53,952.00	53,983.037	-31.037	-0.06%	-0.554
2016	11	53,935.00	53,967.286	-32.286	-0.06%	-0.577
2016	12	53,962.00	53,950.489	11.511	0.02%	0.206
2017	1	53,959.00	53,961.276	-2.276	-0.00%	-0.041
2017	2	53,946.00	53,963.391	-17.391	-0.03%	-0.311
2017	3	54,059.00	53,955.878	103.122	0.19%	1.842
2017	4	54,018.00	54,024.844	-6.844	-0.01%	-0.122
2017	5	54,057.00	54,024.731	32.269	0.06%	0.576
2017	6	54,155.00	54,049.430	105.570	0.19%	1.886
2017	7	54,108.00	54,120.995	-12.995	-0.02%	-0.232
2017	8	54,140.00	54,118.033	21.967	0.04%	0.392

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2017	9	54,038.00	54,137.194	-99.194	-0.18%	-1.772
2017	10	54,037.00	54,079.501	-42.501	-0.08%	-0.759
2017	11	54,014.00	54,057.048	-43.048	-0.08%	-0.769
2017	12	54,057.00	54,033.903	23.097	0.04%	0.413
2018	1	54,063.00	54,052.463	10.537	0.02%	0.188
2018	2	54,065.00	54,063.225	1.775	0.00%	0.032
2018	3	54,074.00	54,068.502	5.498	0.01%	0.098
2018	4	54,044.00	54,076.160	-32.160	-0.06%	-0.574
2018	5	54,093.00	54,059.920	33.080	0.06%	0.591
2018	6	54,181.00	54,084.898	96.102	0.18%	1.717
2018	7	54,188.00	54,150.213	37.787	0.07%	0.675
2018	8	54,176.00	54,179.231	-3.231	-0.01%	-0.058
2018	9	54,092.00	54,182.477	-90.477	-0.17%	-1.616
2018	10	54,141.00	54,130.226	10.774	0.02%	0.192
2018	11	54,065.00	54,141.616	-76.616	-0.14%	-1.368
2018	12	54,107.00	54,097.532	9.468	0.02%	0.169
2019	1	54,154.00	54,107.558	46.442	0.09%	0.830
2019	2	54,167.00	54,141.169	25.831	0.05%	0.461
2019	3	54,259.00	54,162.052	96.948	0.18%	1.732
2019	4	54,237.00	54,228.359	8.641	0.02%	0.154
2019	5	54,292.00	54,239.308	52.692	0.10%	0.941
2019	6	54,320.00	54,278.334	41.666	0.08%	0.744
2019	7	54,369.00	54,310.777	58.223	0.11%	1.040
2019	8	54,328.00	54,354.084	-26.084	-0.05%	-0.466
2019	9	54,371.00	54,344.262	26.738	0.05%	0.478
2019	10	54,332.00	54,367.812	-35.812	-0.07%	-0.640
2019	11	54,317.00	54,351.810	-34.810	-0.06%	-0.622
2019	12	54,290.00	54,336.155	-46.155	-0.09%	-0.824
2020	1	54,287.00	54,313.005	-26.005	-0.05%	-0.464
2020	2	54,306.00	54,302.292	3.708	0.01%	0.066
2020	3	54,371.00	54,310.259	60.741	0.11%	1.085
2020	4	54,346.00	54,354.517	-8.517	-0.02%	-0.152
2020	5	54,347.00	54,355.234	-8.234	-0.02%	-0.147
2020	6	54,379.00	54,356.062	22.938	0.04%	0.410
2020	7	54,392.00	54,376.642	15.358	0.03%	0.274
2020	8	54,407.00	54,392.589	14.411	0.03%	0.257
2020	9	54,398.00	54,408.058	-10.058	-0.02%	-0.180
2020	10	54,396.00	54,408.087	-12.087	-0.02%	-0.216
2020	11	54,335.00	54,406.744	-71.744	-0.13%	-1.281
2020	12	54,358.00	54,367.374	-9.374	-0.02%	-0.167
2021	1		54,367.077			
2021	2		54,372.663			
2021	3		54,378.250			
2021	4		54,383.836			

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2021	5		54,389.423			
2021	6		54,395.010			
2021	7		54,400.596			
2021	8		54,406.183			
2021	9		54,411.769			
2021	10		54,417.356			
2021	11		54,422.942			
2021	12		54,428.529			
2022	1		54,434.116			
2022	2		54,439.702			
2022	3		54,445.289			
2022	4		54,450.875			
2022	5		54,456.462			
2022	6		54,462.048			
2022	7		54,467.635			
2022	8		54,473.222			
2022	9		54,478.808			
2022	10		54,484.395			
2022	11		54,489.981			
2022	12		54,495.568			