

tvoc_106	1	111499.847	90661.543	93661090.436	0.858	0.857
light_108	1	111500.173	87354.939	93664397.039	0.858	0.857
co2_111	1	111500.736	81647.226	93670104.752	0.858	0.857
humidity_100	1	111501.003	78947.505	93672804.473	0.858	0.857
co2_112	1	111502.229	66519.241	93685232.737	0.858	0.857
co2_107	1	111502.262	66186.341	93685565.637	0.858	0.857
tvoc_112	1	111502.509	63675.575	93688076.403	0.858	0.857
light_102	1	111502.528	63483.031	93688268.947	0.858	0.857
tvoc_104	1	111502.865	60072.781	93691679.197	0.858	0.857
co2_102	1	111503.052	58169.501	93693582.477	0.858	0.857
sound_108	1	111503.070	57991.521	93693760.457	0.858	0.857
tvoc_102	1	111503.075	57936.472	93693815.506	0.858	0.857
sound_107	1	111503.082	57872.789	93693879.189	0.858	0.857
temperature_102	1	111503.387	54776.796	93696975.182	0.858	0.857
temperature_112	1	111504.050	48052.552	93703699.426	0.858	0.857
co2_103	1	111504.102	47524.633	93704227.345	0.858	0.857
sound_105	1	111505.196	36434.186	93715317.792	0.858	0.857
tvoc_108	1	111505.607	32261.051	93719490.927	0.858	0.857
sound_112	1	111506.515	23050.186	93728701.792	0.858	0.857
sound_111	1	111506.643	21758.604	93729993.374	0.858	0.857
sound_103	1	111506.968	18456.482	93733295.496	0.858	0.857
humidity_104	1	111507.221	15898.269	93735853.709	0.858	0.857
tvoc_103	1	111507.915	8858.780	93742893.198	0.858	0.857
light_105	1	111508.331	4637.410	93747114.568	0.858	0.857
tvoc_101	1	111508.464	3283.692	93748468.287	0.858	0.857
temperature_107	1	111508.564	2268.044	93749483.934	0.858	0.857
temperature_108	1	111508.587	2037.937	93749714.041	0.858	0.857
humidity_106	1	111508.663	1268.049	93750483.929	0.858	0.857
sound_102	1	111508.692	970.056	93750781.922	0.858	0.857
sound_106	1	111508.702	871.438	93750880.540	0.858	0.857
sound_100	1	111508.732	565.833	93751186.145	0.858	0.857
temperature_110	1	111508.736	528.439	93751223.539	0.858	0.857
tvoc_107	1	111508.785	31.094	93751720.884	0.858	0.857

+ sound_101

Step 17 : AIC = 111464.4
 elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
weather_hum	1	111431.965	347183.839	92955475.810	0.859	0.858
light_104	1	111434.683	319835.242	92982824.408	0.859	0.858
humidity_112	1	111436.498	301570.418	93001089.231	0.859	0.858
weather_bar	1	111438.518	281238.134	93021421.516	0.859	0.858
weather_rad	1	111441.443	251791.010	93050868.639	0.859	0.858
humidity_103	1	111442.299	243168.990	93059490.659	0.859	0.858
light_100	1	111442.332	242838.205	93059821.445	0.859	0.858
light_111	1	111443.846	227587.825	93075071.824	0.859	0.858
humidity_101	1	111444.827	217709.005	93084950.644	0.859	0.858
tvoc_100	1	111446.019	205699.464	93096960.185	0.859	0.858
temperature_101	1	111447.470	191083.434	93111576.216	0.859	0.858
sound_104	1	111449.096	174700.440	93127959.209	0.859	0.858
co2_105	1	111449.614	169481.636	93133178.014	0.858	0.858
temperature_103	1	111451.935	146088.186	93156571.464	0.858	0.858
humidity_107	1	111452.210	143309.753	93159349.896	0.858	0.858
tvoc_111	1	111453.616	129136.946	93173522.703	0.858	0.858
temperature_111	1	111453.700	128290.562	93174369.087	0.858	0.858
humidity_102	1	111456.019	104909.138	93197750.512	0.858	0.858
temperature_100	1	111456.050	104587.308	93198072.341	0.858	0.858
co2_106	1	111457.004	94974.272	93207685.378	0.858	0.858
humidity_111	1	111457.151	93487.985	93209171.664	0.858	0.858
tvoc_106	1	111457.199	93001.776	93209657.874	0.858	0.858
light_108	1	111458.061	84307.258	93218352.391	0.858	0.858
temperature_106	1	111458.139	83525.455	93219134.194	0.858	0.858
light_105	1	111458.402	80871.185	93221788.465	0.858	0.858
humidity_100	1	111459.311	71702.425	93230957.224	0.858	0.858
tvoc_112	1	111459.839	66372.486	93236287.163	0.858	0.858
tvoc_104	1	111460.036	64385.924	93238273.725	0.858	0.858

sound_107	1	111460.067	64070.566	93238589.083	0.858	0.858
co2_111	1	111460.345	61264.247	93241395.402	0.858	0.858
tvoc_102	1	111460.912	55549.265	93247110.385	0.858	0.858
temperature_112	1	111461.584	48764.931	93253894.719	0.858	0.858
co2_102	1	111461.595	48654.576	93254005.073	0.858	0.858
co2_107	1	111461.804	46544.156	93256115.493	0.858	0.858
light_101	1	111461.834	46236.370	93256423.279	0.858	0.858
co2_103	1	111462.233	42209.988	93260449.661	0.858	0.858
co2_112	1	111462.322	41318.350	93261341.300	0.858	0.858
sound_105	1	111462.729	37204.498	93265455.152	0.858	0.858
tvoc_108	1	111462.924	35241.969	93267417.681	0.858	0.858
sound_108	1	111463.222	32233.541	93270426.108	0.858	0.858
temperature_102	1	111463.769	26714.661	93275944.988	0.858	0.858
light_102	1	111464.006	24321.947	93278337.702	0.858	0.858
sound_112	1	111464.040	23979.494	93278680.156	0.858	0.858
humidity_104	1	111464.387	20471.310	93282188.340	0.858	0.858
sound_111	1	111464.593	18388.803	93284270.846	0.858	0.858
light_112	1	111464.606	18264.368	93284395.281	0.858	0.858
sound_103	1	111464.718	17133.901	93285525.749	0.858	0.858
tvoc_103	1	111465.648	7745.964	93294913.685	0.858	0.858
sound_100	1	111466.213	2040.106	93300619.544	0.858	0.858
tvoc_101	1	111466.244	1729.508	93300930.141	0.858	0.858
sound_106	1	111466.257	1598.664	93301060.986	0.858	0.858
temperature_108	1	111466.277	1389.668	93301269.982	0.858	0.858
humidity_106	1	111466.311	1053.919	93301605.730	0.858	0.858
sound_102	1	111466.351	646.562	93302013.088	0.858	0.858
temperature_107	1	111466.356	595.085	93302064.565	0.858	0.858
tvoc_107	1	111466.404	114.977	93302544.673	0.858	0.858
temperature_110	1	111466.414	9.312	93302650.337	0.858	0.858

+ weather_hum

Step 18 : AIC = 111432
 elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
weather_rad	1	111398.937	351675.955	92603799.855	0.859	0.859
humidity_112	1	111402.254	318428.157	92637047.653	0.859	0.859
weather_bar	1	111405.090	289996.715	92665479.095	0.859	0.859
light_104	1	111405.123	289664.449	92665811.361	0.859	0.859
light_100	1	111406.394	276918.957	92678556.853	0.859	0.859
light_111	1	111406.610	274750.390	92680725.420	0.859	0.859
humidity_103	1	111411.249	228219.552	92727256.258	0.859	0.859
humidity_101	1	111413.708	203536.949	92751938.861	0.859	0.859
co2_105	1	111413.969	200923.346	92754552.464	0.859	0.859
tvoc_100	1	111414.965	190918.197	92764557.613	0.859	0.859
humidity_107	1	111415.890	181632.694	92773843.116	0.859	0.859
temperature_103	1	111416.549	175019.347	92780456.464	0.859	0.859
temperature_111	1	111416.684	173662.997	92781812.813	0.859	0.859
sound_104	1	111417.593	164539.455	92790936.355	0.859	0.859
temperature_101	1	111418.054	159909.308	92795566.503	0.859	0.859
temperature_106	1	111419.358	146807.904	92808667.906	0.859	0.859
tvoc_111	1	111420.946	130857.475	92824618.335	0.859	0.859
humidity_102	1	111422.672	113525.321	92841950.489	0.859	0.859
temperature_100	1	111424.331	96855.027	92858620.783	0.859	0.859
humidity_100	1	111425.134	88788.733	92866687.077	0.859	0.859
light_105	1	111425.245	87664.398	92867811.412	0.859	0.859
light_108	1	111425.340	86719.248	92868756.562	0.859	0.859
co2_111	1	111425.907	81018.825	92874456.985	0.859	0.859
tvoc_106	1	111425.990	80180.244	92875295.566	0.859	0.859
co2_103	1	111426.950	70531.700	92884944.110	0.859	0.859
tvoc_112	1	111427.381	66204.600	92889271.210	0.859	0.859
co2_106	1	111427.817	61815.648	92893660.163	0.859	0.859
sound_107	1	111427.839	61599.061	92893876.749	0.859	0.859
tvoc_104	1	111428.176	58214.154	92897261.656	0.859	0.859
humidity_111	1	111428.283	57137.113	92898338.698	0.859	0.859
tvoc_102	1	111428.896	50966.162	92904509.648	0.859	0.859
temperature_102	1	111429.199	47925.269	92907550.541	0.859	0.859

co2_102	1	111429.862	41254.888	92914220.922	0.859	0.859
co2_112	1	111430.608	33753.989	92921721.821	0.859	0.859
sound_105	1	111430.656	33271.627	92922204.183	0.859	0.859
tvoc_108	1	111430.730	32533.201	92922942.609	0.859	0.859
light_102	1	111430.938	30437.357	92925038.453	0.859	0.859
light_101	1	111431.030	29516.953	92925958.857	0.859	0.859
temperature_112	1	111431.309	26706.887	92928768.923	0.859	0.859
co2_107	1	111431.387	25925.619	92929550.191	0.859	0.859
sound_112	1	111431.595	23828.683	92931647.127	0.859	0.859
sound_103	1	111431.722	22555.247	92932920.563	0.859	0.859
humidity_104	1	111432.023	19531.818	92935943.992	0.859	0.859
sound_111	1	111432.354	16201.686	92939274.124	0.859	0.859
temperature_107	1	111432.691	12809.568	92942666.242	0.859	0.858
tvoc_103	1	111432.838	11328.305	92944147.505	0.859	0.858
light_112	1	111433.077	8931.628	92946544.182	0.859	0.858
sound_106	1	111433.706	2604.358	92952871.452	0.859	0.858
sound_100	1	111433.731	2351.148	92953124.662	0.859	0.858
tvoc_101	1	111433.735	2307.043	92953168.767	0.859	0.858
temperature_108	1	111433.803	1625.244	92953850.566	0.859	0.858
temperature_110	1	111433.862	1033.422	92954442.388	0.859	0.858
sound_102	1	111433.904	606.197	92954869.613	0.859	0.858
humidity_106	1	111433.943	215.961	92955259.849	0.859	0.858
tvoc_107	1	111433.962	20.984	92955454.826	0.859	0.858
sound_108	1	111433.964	0.950	92955474.861	0.859	0.858

+ weather_rad_

Step 19 : AIC = 111398.9

elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
light_104	1	111348.492	524058.280	92079741.575	0.860	0.860
light_111	1	111363.944	369964.994	92233834.861	0.860	0.860
weather_bar	1	111364.585	363566.981	92240232.874	0.860	0.860
humidity_112	1	111367.420	335265.903	92268533.952	0.860	0.860
humidity_103	1	111379.648	213086.431	92390713.424	0.860	0.859
humidity_101	1	111381.282	196757.039	92407042.816	0.860	0.859
humidity_107	1	111381.301	196563.785	92407236.070	0.860	0.859
tvoc_100	1	111382.360	185976.114	92417823.741	0.860	0.859
temperature_101	1	111384.724	162330.091	92441469.764	0.860	0.859
temperature_103	1	111385.737	152191.903	92451607.952	0.860	0.859
sound_104	1	111385.839	151171.330	92452628.525	0.860	0.859
light_100	1	111385.942	150146.097	92453653.758	0.860	0.859
co2_105	1	111386.219	147374.680	92456425.175	0.860	0.859
light_105	1	111386.318	146381.223	92457418.632	0.860	0.859
temperature_111	1	111386.681	142753.901	92461045.954	0.860	0.859
temperature_106	1	111387.829	131264.784	92472535.071	0.860	0.859
tvoc_111	1	111388.974	119801.008	92483998.847	0.859	0.859
humidity_102	1	111389.677	112767.232	92491032.623	0.859	0.859
temperature_100	1	111391.130	98228.831	92505571.024	0.859	0.859
humidity_100	1	111392.092	88588.915	92515210.940	0.859	0.859
tvoc_106	1	111392.688	82625.187	92521174.668	0.859	0.859
co2_111	1	111393.138	78116.576	92525683.279	0.859	0.859
sound_107	1	111393.678	72712.644	92531087.211	0.859	0.859
co2_103	1	111393.834	71149.478	92532650.377	0.859	0.859
light_101	1	111394.056	68932.630	92534867.225	0.859	0.859
light_108	1	111394.271	66779.103	92537020.752	0.859	0.859
tvoc_104	1	111395.175	57725.383	92546074.472	0.859	0.859
co2_106	1	111395.244	57028.848	92546771.007	0.859	0.859
tvoc_112	1	111395.310	56368.350	92547431.505	0.859	0.859
tvoc_102	1	111395.613	53337.478	92550462.377	0.859	0.859
temperature_102	1	111396.763	41816.809	92561983.046	0.859	0.859
co2_102	1	111397.023	39209.803	92564590.052	0.859	0.859
temperature_112	1	111397.316	36279.551	92567520.304	0.859	0.859
humidity_111	1	111397.350	35934.012	92567865.843	0.859	0.859
sound_105	1	111397.808	31346.928	92572452.927	0.859	0.859
sound_103	1	111397.902	30411.889	92573387.966	0.859	0.859
co2_112	1	111397.996	29470.040	92574329.815	0.859	0.859

tvoc_108	1	111398.400	25417.292	92578382.563	0.859	0.859
co2_107	1	111398.506	24354.234	92579445.621	0.859	0.859
humidity_104	1	111398.929	20117.208	92583682.647	0.859	0.859
sound_112	1	111399.012	19285.763	92584514.092	0.859	0.859
sound_111	1	111399.230	17106.889	92586692.966	0.859	0.859
sound_108	1	111399.782	11571.240	92592228.615	0.859	0.859
tvoc_103	1	111399.859	10806.264	92592993.591	0.859	0.859
light_102	1	111400.070	8685.082	92595114.773	0.859	0.859
light_112	1	111400.091	8481.627	92595318.228	0.859	0.859
temperature_107	1	111400.342	5963.532	92597836.323	0.859	0.859
tvoc_101	1	111400.605	3331.954	92600467.901	0.859	0.859
sound_106	1	111400.693	2445.551	92601354.304	0.859	0.859
sound_100	1	111400.864	735.479	92603064.376	0.859	0.859
temperature_108	1	111400.885	522.462	92603277.393	0.859	0.859
sound_102	1	111400.887	504.350	92603295.505	0.859	0.859
humidity_106	1	111400.918	191.911	92603607.944	0.859	0.859
temperature_110	1	111400.935	22.604	92603777.251	0.859	0.859
tvoc_107	1	111400.936	6.884	92603792.971	0.859	0.859

+ light_104

Step 20 : AIC = 111348.5
 elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
weather_bar_	1	111317.305	330098.949	91749642.626	0.861	0.860
humidity_112	1	111318.000	323196.490	91756545.084	0.861	0.860
light_100	1	111320.036	302978.465	91776763.110	0.861	0.860
light_111	1	111324.928	254381.893	91825359.682	0.860	0.860
humidity_103	1	111329.370	210223.460	91869518.114	0.860	0.860
temperature_106	1	111330.999	194027.476	91885714.099	0.860	0.860
humidity_107	1	111331.055	193479.014	91886262.561	0.860	0.860
temperature_111	1	111332.473	179372.063	91900369.511	0.860	0.860
tvoc_100	1	111333.517	168987.479	91910754.096	0.860	0.860
co2_105	1	111334.943	154802.738	91924938.837	0.860	0.860
temperature_103	1	111335.405	150214.356	91929527.218	0.860	0.860
sound_104	1	111336.389	140424.853	91939316.721	0.860	0.860
humidity_101	1	111336.772	136612.475	91943129.100	0.860	0.860
light_105	1	111337.240	131957.861	91947783.714	0.860	0.860
humidity_102	1	111338.402	120390.252	91959351.322	0.860	0.860
co2_103	1	111339.963	104857.030	91974884.544	0.860	0.860
tvoc_111	1	111340.555	98969.593	91980771.982	0.860	0.860
light_101	1	111340.583	98683.688	91981057.887	0.860	0.860
temperature_101	1	111341.688	87686.748	91992054.827	0.860	0.860
sound_103	1	111341.729	87277.038	91992464.536	0.860	0.860
light_108	1	111341.978	84802.481	91994939.094	0.860	0.860
co2_106	1	111342.392	80674.135	91999067.440	0.860	0.860
sound_107	1	111342.940	75223.266	92004518.308	0.860	0.860
co2_111	1	111343.281	71832.247	92007909.328	0.860	0.860
co2_102	1	111344.058	64094.836	92015646.738	0.860	0.860
tvoc_106	1	111344.133	63342.232	92016399.343	0.860	0.860
tvoc_102	1	111344.529	59404.233	92020337.342	0.860	0.860
temperature_102	1	111345.477	49957.866	92029783.709	0.860	0.860
tvoc_104	1	111346.088	43878.192	92035863.382	0.860	0.860
tvoc_112	1	111346.152	43235.533	92036506.042	0.860	0.860
humidity_100	1	111346.629	38488.897	92041252.678	0.860	0.860
temperature_100	1	111347.425	30556.408	92049185.167	0.860	0.860
humidity_111	1	111347.511	29705.430	92050036.144	0.860	0.860
co2_107	1	111347.665	28171.014	92051570.561	0.860	0.860
sound_105	1	111347.851	26317.175	92053424.400	0.860	0.860
light_112	1	111348.108	23757.236	92055984.338	0.860	0.860
temperature_107	1	111348.502	19827.969	92059913.606	0.860	0.860
humidity_104	1	111348.658	18272.616	92061468.959	0.860	0.860
co2_112	1	111348.669	18165.669	92061575.905	0.860	0.860
temperature_112	1	111348.755	17305.288	92062436.287	0.860	0.860
sound_111	1	111348.782	17043.499	92062698.075	0.860	0.860
sound_112	1	111348.833	16537.060	92063204.515	0.860	0.860
tvoc_108	1	111348.874	16127.009	92063614.566	0.860	0.860

```

sound_108      1      111349.041      14460.978      92065280.596      0.860      0.860
light_102      1      111349.308      11801.814      92067939.760      0.860      0.860
tvoc_103       1      111349.459      10294.715      92069446.860      0.860      0.860
temperature_108 1      111349.704      7852.600      92071888.974      0.860      0.860
tvoc_101       1      111349.775      7151.586      92072589.988      0.860      0.860
sound_106      1      111350.207      2843.113      92076898.462      0.860      0.860
sound_100      1      111350.268      2237.839      92077503.736      0.860      0.860
tvoc_107       1      111350.276      2150.784      92077590.791      0.860      0.860
humidity_106   1      111350.392      1003.347      92078738.228      0.860      0.860
sound_102      1      111350.450      418.779      92079322.796      0.860      0.860
temperature_110 1      111350.476      165.607      92079575.967      0.860      0.860
-----

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+ weather_bar_
```

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Step 21 : AIC = 111317.3
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tv
oc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + h
umidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weath
er_bar_

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Variable      DF      AIC      Sum Sq      RSS      R-Sq      Adj. R-Sq
-----
light_100      1      111282.389      365788.587      91383854.039      0.861      0.861
humidity_112   1      111287.584      314400.438      91435242.188      0.861      0.861
temperature_106 1      111300.199      189491.190      91560151.436      0.861      0.861
light_111      1      111300.616      185364.165      91564278.461      0.861      0.861
humidity_107   1      111301.422      177372.803      91572269.823      0.861      0.861
tvoc_100       1      111301.867      172961.450      91576681.175      0.861      0.861
co2_105        1      111302.147      170193.690      91579448.936      0.861      0.861
humidity_103   1      111302.785      163866.402      91585776.224      0.861      0.861
temperature_111 1      111303.660      155192.315      91594450.311      0.861      0.861
sound_104      1      111304.840      143503.703      91606138.923      0.861      0.860
co2_103        1      111305.014      141777.672      91607864.954      0.861      0.860
humidity_101   1      111305.048      141432.806      91608209.820      0.861      0.860
light_105      1      111305.934      132652.001      91616990.625      0.861      0.860
tvoc_111       1      111308.229      109900.706      91639741.920      0.861      0.860
temperature_103 1      111308.284      109356.640      91640285.985      0.861      0.860
temperature_101 1      111308.695      105272.918      91644369.708      0.861      0.860
light_101      1      111308.904      103201.746      91646440.880      0.861      0.860
sound_103      1      111310.457      87797.617      91661845.009      0.861      0.860
co2_111        1      111310.553      86853.085      91662789.541      0.861      0.860
light_108      1      111310.709      85300.218      91664342.408      0.861      0.860
co2_102        1      111310.930      83109.947      91666532.679      0.861      0.860
humidity_102   1      111311.180      80629.600      91669013.026      0.861      0.860
sound_107      1      111311.621      76259.056      91673383.570      0.861      0.860
co2_106        1      111312.349      69034.171      91680608.455      0.861      0.860
tvoc_106       1      111312.801      64551.851      91685090.775      0.861      0.860
tvoc_104       1      111314.031      52341.399      91697301.227      0.861      0.860
tvoc_112       1      111314.219      50481.277      91699161.349      0.861      0.860
tvoc_102       1      111314.616      46533.984      91703108.642      0.861      0.860
light_112      1      111315.584      36928.402      91712714.224      0.861      0.860
temperature_100 1      111316.793      24931.971      91724710.655      0.861      0.860
humidity_104   1      111316.846      24404.429      91725238.197      0.861      0.860
co2_112        1      111316.916      23716.326      91725926.300      0.861      0.860
humidity_100   1      111316.935      23520.222      91726122.404      0.861      0.860
sound_105      1      111317.021      22673.038      91726969.588      0.861      0.860
tvoc_103       1      111317.221      20684.996      91728957.630      0.861      0.860
temperature_102 1      111317.289      20008.431      91729634.195      0.861      0.860
tvoc_108       1      111317.300      19901.839      91729740.787      0.861      0.860
sound_111      1      111317.315      19747.857      91729894.769      0.861      0.860
temperature_112 1      111317.386      19050.233      91730592.393      0.861      0.860
humidity_111   1      111317.494      17977.436      91731665.190      0.861      0.860
light_102      1      111317.549      17426.760      91732215.866      0.861      0.860
temperature_107 1      111317.725      15679.426      91733963.200      0.861      0.860
sound_112      1      111317.743      15503.012      91734139.614      0.861      0.860
temperature_110 1      111318.008      12869.613      91736773.013      0.861      0.860
humidity_106   1      111318.247      10503.876      91739138.750      0.861      0.860
tvoc_101       1      111318.745      5559.686      91744082.940      0.861      0.860
sound_100      1      111318.882      4192.517      91745450.109      0.861      0.860
sound_106      1      111318.978      3244.667      91746397.959      0.861      0.860
temperature_108 1      111318.986      3162.115      91746480.511      0.861      0.860
-----

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co2_107      1      111319.101      2022.826      91747619.800      0.861      0.860
sound_108    1      111319.207      972.387      91748670.238      0.861      0.860
tvoc_107     1      111319.208      958.115      91748684.511      0.861      0.860
sound_102    1      111319.269      356.682      91749285.944      0.861      0.860
-----

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+ light_100
```

```

Step 22 : AIC = 111282.4
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tv
oc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + h
umidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weath
er_bar_ + light_100

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Variable      DF      AIC      Sum Sq      RSS      R-Sq      Adj. R-Sq
-----
humidity_112  1      111246.585      373075.490      91010778.550      0.862      0.861
light_111     1      111254.984      290320.160      91093533.879      0.862      0.861
light_101     1      111255.193      288257.572      91095596.468      0.862      0.861
temperature_106 1      111264.499      196472.977      91187381.062      0.861      0.861
humidity_107  1      111264.892      192602.611      91191251.428      0.861      0.861
tvoc_100     1      111266.032      181350.933      91202503.106      0.861      0.861
light_105     1      111266.188      179812.187      91204041.853      0.861      0.861
co2_105      1      111266.255      179149.529      91204704.511      0.861      0.861
humidity_103  1      111266.262      179078.152      91204775.887      0.861      0.861
co2_103      1      111268.476      157220.683      91226633.356      0.861      0.861
temperature_111 1      111269.468      147428.581      91236425.459      0.861      0.861
sound_104     1      111270.065      141536.955      91242317.084      0.861      0.861
humidity_101  1      111270.174      140462.793      91243391.246      0.861      0.861
temperature_103 1      111271.915      123271.753      91260582.286      0.861      0.861
tvoc_111     1      111272.796      114564.033      91269290.006      0.861      0.861
temperature_101 1      111274.247      100233.440      91283620.599      0.861      0.861
co2_111      1      111274.486      97876.403      91285977.637      0.861      0.861
sound_103     1      111274.862      94162.771      91289691.268      0.861      0.861
light_102     1      111275.483      88030.422      91295823.618      0.861      0.861
co2_102      1      111275.517      87690.173      91296163.866      0.861      0.861
humidity_102  1      111275.519      87668.239      91296185.800      0.861      0.861
light_108     1      111275.838      84516.442      91299337.597      0.861      0.861
sound_107     1      111276.586      77132.576      91306721.463      0.861      0.861
co2_106      1      111277.449      68601.589      91315252.450      0.861      0.861
tvoc_106     1      111277.765      65479.856      91318374.183      0.861      0.861
tvoc_104     1      111278.209      61095.105      91322758.934      0.861      0.861
light_112     1      111278.994      53330.138      91330523.901      0.861      0.861
tvoc_112     1      111279.075      52532.184      91331321.856      0.861      0.861
tvoc_102     1      111280.035      43041.596      91340812.444      0.861      0.861
co2_112      1      111281.119      32330.179      91351523.861      0.861      0.861
humidity_100  1      111281.419      29366.340      91354487.700      0.861      0.861
temperature_100 1      111281.549      28079.572      91355774.468      0.861      0.861
tvoc_103     1      111281.634      27238.246      91356615.793      0.861      0.861
temperature_102 1      111281.799      25604.687      91358249.352      0.861      0.861
tvoc_108     1      111282.105      22577.308      91361276.731      0.861      0.861
temperature_112 1      111282.254      21105.500      91362748.539      0.861      0.861
sound_105     1      111282.272      20927.540      91362926.499      0.861      0.861
sound_111     1      111282.344      20222.678      91363631.362      0.861      0.861
humidity_104  1      111282.769      16013.866      91367840.173      0.861      0.861
temperature_107 1      111283.025      13482.598      91370371.441      0.861      0.861
humidity_106  1      111283.144      12310.135      91371543.905      0.861      0.861
sound_112     1      111283.202      11733.093      91372120.947      0.861      0.861
temperature_110 1      111283.458      9205.138      91374648.901      0.861      0.861
humidity_111  1      111283.728      6530.832      91377323.208      0.861      0.861
tvoc_101     1      111283.902      4811.145      91379042.894      0.861      0.861
sound_106     1      111284.081      3041.382      91380812.657      0.861      0.861
co2_107      1      111284.129      2569.222      91381284.818      0.861      0.861
sound_100     1      111284.135      2513.493      91381340.547      0.861      0.861
temperature_108 1      111284.135      2508.007      91381346.033      0.861      0.861
tvoc_107     1      111284.264      1235.127      91382618.913      0.861      0.861
sound_108     1      111284.312      762.446      91383091.594      0.861      0.861
sound_102     1      111284.315      727.954      91383126.085      0.861      0.861
-----

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+ humidity_112
```

Step 23 : AIC = 111246.6

```
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weather_bar_ + light_100 + humidity_112
```

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
humidity_111	1	111192.081	554785.783	90455992.767	0.863	0.862
light_101	1	111216.524	315208.251	90695570.299	0.862	0.862
light_111	1	111221.053	270750.374	90740028.176	0.862	0.862
temperature_111	1	111225.172	230291.537	90780487.013	0.862	0.862
humidity_103	1	111226.804	214263.040	90796515.510	0.862	0.862
tvoc_100	1	111227.051	211836.603	90798941.947	0.862	0.862
temperature_106	1	111230.666	176308.172	90834470.377	0.862	0.862
light_105	1	111231.312	169958.773	90840819.776	0.862	0.862
temperature_101	1	111232.247	160766.975	90850011.575	0.862	0.862
co2_105	1	111233.070	152676.732	90858101.818	0.862	0.862
co2_103	1	111233.200	151395.298	90859383.251	0.862	0.862
tvoc_111	1	111234.177	141792.516	90868986.034	0.862	0.862
sound_104	1	111234.518	138436.643	90872341.907	0.862	0.862
humidity_101	1	111234.589	137732.543	90873046.006	0.862	0.862
co2_102	1	111237.297	111102.589	90899675.961	0.862	0.862
temperature_103	1	111237.551	108610.082	90902168.467	0.862	0.862
light_102	1	111238.030	103891.710	90906886.840	0.862	0.862
sound_103	1	111238.867	95654.920	90915123.629	0.862	0.862
tvoc_106	1	111239.635	88100.336	90922678.214	0.862	0.861
light_108	1	111240.192	82618.064	90928160.485	0.862	0.861
sound_107	1	111240.521	79385.531	90931393.019	0.862	0.861
humidity_102	1	111240.657	78049.930	90932728.620	0.862	0.861
co2_106	1	111240.719	77437.366	90933341.184	0.862	0.861
tvoc_112	1	111241.691	67868.481	90942910.069	0.862	0.861
tvoc_104	1	111241.820	66602.325	90944176.224	0.862	0.861
humidity_107	1	111242.723	57717.393	90953061.156	0.862	0.861
co2_111	1	111242.984	55145.730	90955632.820	0.862	0.861
humidity_106	1	111243.104	53964.784	90956813.766	0.862	0.861
tvoc_103	1	111244.733	37934.074	90972844.476	0.862	0.861
tvoc_102	1	111244.860	36675.079	90974103.471	0.862	0.861
tvoc_108	1	111245.318	32167.139	90978611.411	0.862	0.861
temperature_100	1	111245.684	28571.139	90982207.411	0.862	0.861
sound_111	1	111246.017	25283.893	90985494.657	0.862	0.861
light_112	1	111246.247	23026.696	90987751.853	0.862	0.861
temperature_107	1	111246.387	21641.481	90989137.069	0.862	0.861
sound_105	1	111246.587	19679.090	90991099.460	0.862	0.861
temperature_110	1	111246.803	17544.362	90993234.188	0.862	0.861
temperature_112	1	111246.930	16299.249	90994479.301	0.862	0.861
humidity_104	1	111247.078	14845.911	90995932.639	0.862	0.861
temperature_102	1	111247.734	8384.837	91002393.713	0.862	0.861
sound_112	1	111247.880	6938.972	91003839.578	0.862	0.861
co2_112	1	111247.960	6152.514	91004626.036	0.862	0.861
co2_107	1	111247.977	5985.969	91004792.581	0.862	0.861
sound_106	1	111248.328	2535.262	91008243.287	0.862	0.861
tvoc_101	1	111248.358	2237.048	91008541.502	0.862	0.861
sound_100	1	111248.413	1695.652	91009082.898	0.862	0.861
sound_102	1	111248.480	1033.555	91009744.994	0.862	0.861
temperature_108	1	111248.528	559.768	91010218.782	0.862	0.861
tvoc_107	1	111248.539	449.903	91010328.647	0.862	0.861
humidity_100	1	111248.561	240.812	91010537.737	0.862	0.861
sound_108	1	111248.578	65.099	91010713.451	0.862	0.861

+ humidity_111

Step 24 : AIC = 111192.1

```
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weather_bar_ + light_100 + humidity_112 + humidity_111
```

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
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light_111      1      111163.852      295415.072      90160577.694      0.863      0.863
light_101      1      111164.103      292970.325      90163022.441      0.863      0.863
temperature_106 1      111170.911      226520.348      90229472.419      0.863      0.863
tvoc_100       1      111172.232      213615.139      90242377.627      0.863      0.863
humidity_107   1      111173.078      205354.463      90250638.303      0.863      0.863
co2_111        1      111173.467      201553.618      90254439.149      0.863      0.863
tvoc_111       1      111176.779      169207.381      90286785.385      0.863      0.862
light_105      1      111176.812      168886.321      90287106.446      0.863      0.862
temperature_111 1      111177.362      163509.579      90292483.187      0.863      0.862
humidity_103    1      111177.627      160914.403      90295078.364      0.863      0.862
sound_104       1      111179.214      145412.447      90310580.319      0.863      0.862
co2_105        1      111179.421      143384.458      90312608.309      0.863      0.862
co2_103        1      111179.766      140012.208      90315980.559      0.863      0.862
light_102      1      111184.101      97637.863      90358354.903      0.863      0.862
tvoc_112       1      111184.632      92444.640      90363548.126      0.863      0.862
humidity_101    1      111184.973      89110.646      90366882.121      0.863      0.862
sound_103      1      111184.980      89046.474      90366946.293      0.863      0.862
sound_107      1      111185.065      88210.423      90367782.344      0.863      0.862
co2_102        1      111185.073      88135.695      90367857.072      0.863      0.862
temperature_101 1      111185.463      84317.972      90371674.795      0.863      0.862
light_108      1      111185.921      79839.036      90376153.731      0.863      0.862
temperature_103 1      111186.184      77271.075      90378721.691      0.863      0.862
humidity_102    1      111186.877      70491.642      90385501.124      0.863      0.862
tvoc_106       1      111187.782      61642.366      90394350.400      0.863      0.862
co2_106        1      111187.981      59691.486      90396301.281      0.863      0.862
tvoc_104       1      111187.999      59511.484      90396481.283      0.863      0.862
humidity_106    1      111188.927      50437.321      90405555.446      0.863      0.862
tvoc_103       1      111189.099      48759.114      90407233.652      0.863      0.862
temperature_112 1      111189.182      47938.489      90408054.277      0.863      0.862
tvoc_108       1      111190.224      37745.914      90418246.853      0.863      0.862
temperature_110 1      111190.240      37592.126      90418400.641      0.863      0.862
sound_111      1      111190.599      34076.746      90421916.021      0.863      0.862
tvoc_102       1      111191.713      23181.220      90432811.546      0.863      0.862
humidity_104    1      111191.936      20991.272      90435001.495      0.863      0.862
sound_105      1      111191.943      20931.235      90435061.532      0.863      0.862
co2_112        1      111192.252      17901.055      90438091.711      0.863      0.862
temperature_100 1      111192.602      14479.186      90441513.581      0.863      0.862
temperature_107 1      111192.685      13665.127      90442327.640      0.863      0.862
temperature_102 1      111193.245      8184.153      90447808.613      0.863      0.862
light_112      1      111193.358      7076.020      90448916.747      0.863      0.862
sound_112      1      111193.495      5738.714      90450254.053      0.863      0.862
temperature_108 1      111193.657      4156.120      90451836.647      0.863      0.862
sound_108      1      111193.860      2160.952      90453831.815      0.863      0.862
humidity_100    1      111193.890      1868.125      90454124.642      0.863      0.862
sound_100      1      111193.930      1474.933      90454517.834      0.863      0.862
sound_102      1      111193.952      1260.146      90454732.620      0.863      0.862
sound_106      1      111193.982      968.060      90455024.707      0.863      0.862
tvoc_107       1      111194.060      203.990      90455788.776      0.863      0.862
tvoc_101       1      111194.072      90.409      90455902.358      0.863      0.862
co2_107        1      111194.081      5.332      90455987.435      0.863      0.862
-----

```

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+ light_111
```

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Step 25 : AIC = 111163.9
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tv
oc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + h
umidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weath
er_bar_ + light_100 + humidity_112 + humidity_111 + light_111

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Variable      DF      AIC      Sum Sq      RSS      R-Sq      Adj. R-Sq
-----
light_101      1      111100.854      631936.465      89528641.229      0.864      0.864
light_112      1      111132.739      322488.275      89838089.420      0.864      0.863
light_105      1      111134.438      305975.722      89854601.972      0.863      0.863
temperature_106 1      111136.180      289035.411      89871542.284      0.863      0.863
light_102      1      111140.015      251731.755      89908845.940      0.863      0.863
co2_111        1      111140.026      251624.638      89908953.057      0.863      0.863
tvoc_100       1      111141.647      235849.492      89924728.202      0.863      0.863
tvoc_111       1      111143.667      216193.246      89944384.448      0.863      0.863
temperature_111 1      111145.828      195155.572      89965422.122      0.863      0.863
-----

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humidity_103	1	111148.501	169128.735	89991448.959	0.863	0.863
sound_104	1	111150.659	148115.225	90012462.469	0.863	0.863
humidity_107	1	111150.944	145339.717	90015237.977	0.863	0.863
co2_103	1	111151.331	141561.676	90019016.019	0.863	0.863
humidity_101	1	111151.988	135165.529	90025412.166	0.863	0.863
temperature_101	1	111151.991	135135.942	90025441.752	0.863	0.863
tvoc_112	1	111152.290	132222.074	90028355.620	0.863	0.863
co2_105	1	111152.310	132028.016	90028549.678	0.863	0.863
sound_103	1	111156.268	93460.456	90067117.238	0.863	0.863
sound_107	1	111156.694	89305.307	90071272.387	0.863	0.863
light_108	1	111157.043	85906.651	90074671.043	0.863	0.863
temperature_103	1	111157.146	84904.437	90075673.258	0.863	0.863
humidity_106	1	111157.907	77486.832	90083090.863	0.863	0.863
co2_102	1	111158.017	76407.937	90084169.758	0.863	0.863
tvoc_104	1	111158.504	71659.910	90088917.784	0.863	0.863
tvoc_106	1	111158.628	70459.423	90090118.271	0.863	0.863
tvoc_103	1	111158.713	69624.813	90090952.881	0.863	0.863
humidity_102	1	111159.585	61127.464	90099450.231	0.863	0.863
co2_106	1	111159.676	60241.982	90100335.712	0.863	0.863
tvoc_108	1	111159.990	57177.762	90103399.932	0.863	0.863
temperature_112	1	111162.063	36965.117	90123612.578	0.863	0.863
temperature_107	1	111162.166	35959.854	90124617.841	0.863	0.863
sound_111	1	111162.489	32801.932	90127775.762	0.863	0.863
co2_112	1	111162.875	29041.057	90131536.637	0.863	0.863
temperature_100	1	111163.067	27168.449	90133409.245	0.863	0.863
temperature_110	1	111163.445	23482.960	90137094.734	0.863	0.863
sound_105	1	111163.676	21233.798	90139343.896	0.863	0.863
humidity_104	1	111164.029	17784.863	90142792.832	0.863	0.863
humidity_100	1	111164.629	11931.594	90148646.101	0.863	0.863
tvoc_102	1	111164.703	11213.245	90149364.450	0.863	0.863
temperature_108	1	111165.043	7893.353	90152684.342	0.863	0.863
sound_112	1	111165.135	6992.140	90153585.554	0.863	0.863
sound_108	1	111165.271	5668.650	90154909.044	0.863	0.863
temperature_102	1	111165.306	5325.133	90155252.562	0.863	0.863
sound_100	1	111165.671	1767.518	90158810.176	0.863	0.863
tvoc_101	1	111165.693	1550.959	90159026.736	0.863	0.863
tvoc_107	1	111165.721	1282.121	90159295.573	0.863	0.863
sound_102	1	111165.724	1249.486	90159328.209	0.863	0.863
sound_106	1	111165.823	280.659	90160297.036	0.863	0.863
co2_107	1	111165.845	71.937	90160505.758	0.863	0.863

+ light_101

Step 26 : AIC = 111100.9

elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weather_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
tvoc_100	1	111074.971	269723.552	89258917.677	0.864	0.864
tvoc_111	1	111076.275	257128.094	89271513.135	0.864	0.864
temperature_106	1	111078.339	237188.833	89291452.396	0.864	0.864
humidity_107	1	111082.379	198148.724	89330492.505	0.864	0.864
co2_111	1	111082.940	192720.392	89335920.837	0.864	0.864
temperature_111	1	111085.216	170712.524	89357928.705	0.864	0.864
sound_104	1	111085.800	165071.167	89363570.062	0.864	0.864
tvoc_112	1	111086.871	154711.657	89373929.573	0.864	0.864
co2_105	1	111088.142	142421.591	89386219.639	0.864	0.864
light_102	1	111088.722	136806.831	89391834.399	0.864	0.864
co2_103	1	111089.272	131487.016	89397154.213	0.864	0.864
temperature_101	1	111091.200	112835.260	89415805.969	0.864	0.864
humidity_101	1	111091.387	111025.646	89417615.583	0.864	0.864
tvoc_104	1	111092.808	97276.694	89431364.536	0.864	0.864
sound_103	1	111093.084	94604.476	89434036.753	0.864	0.864
light_112	1	111093.255	92950.449	89435690.781	0.864	0.864
tvoc_106	1	111093.412	91427.522	89437213.707	0.864	0.864
light_108	1	111094.263	83189.359	89445451.870	0.864	0.864
humidity_103	1	111094.499	80908.008	89447733.222	0.864	0.864
sound_107	1	111094.543	80484.853	89448156.376	0.864	0.864

tvoc_103	1	111095.434	71855.855	89456785.374	0.864	0.864
tvoc_108	1	111096.086	65542.533	89463098.696	0.864	0.864
co2_102	1	111096.407	62438.880	89466202.350	0.864	0.864
co2_106	1	111098.036	46665.853	89481975.376	0.864	0.864
temperature_112	1	111098.344	43682.950	89484958.280	0.864	0.864
humidity_106	1	111098.387	43261.882	89485379.347	0.864	0.864
sound_111	1	111099.763	29942.635	89498698.594	0.864	0.864
temperature_107	1	111100.124	26442.872	89502198.358	0.864	0.864
light_105	1	111100.652	21332.326	89507308.903	0.864	0.864
temperature_103	1	111100.663	21218.672	89507422.557	0.864	0.864
sound_105	1	111101.026	17707.430	89510933.799	0.864	0.864
humidity_104	1	111101.043	17539.990	89511101.239	0.864	0.864
humidity_102	1	111101.156	16449.975	89512191.254	0.864	0.864
temperature_110	1	111101.192	16097.673	89512543.557	0.864	0.864
temperature_100	1	111101.307	14983.027	89513658.202	0.864	0.864
tvoc_107	1	111101.725	10931.618	89517709.612	0.864	0.864
sound_112	1	111101.856	9667.322	89518973.907	0.864	0.864
co2_112	1	111101.910	9146.916	89519494.313	0.864	0.864
temperature_108	1	111102.021	8063.520	89520577.709	0.864	0.864
tvoc_102	1	111102.090	7396.621	89521244.608	0.864	0.864
tvoc_101	1	111102.323	5146.710	89523494.519	0.864	0.864
temperature_102	1	111102.474	3679.970	89524961.260	0.864	0.864
humidity_100	1	111102.522	3213.432	89525427.797	0.864	0.864
sound_108	1	111102.533	3107.876	89525533.354	0.864	0.864
co2_107	1	111102.597	2490.120	89526151.109	0.864	0.864
sound_100	1	111102.613	2337.050	89526304.180	0.864	0.864
sound_106	1	111102.655	1929.283	89526711.946	0.864	0.864
sound_102	1	111102.722	1274.141	89527367.088	0.864	0.864

+ tvoc_100

Step 27 : AIC = 111075

elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad + light_104 + weather_bar + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
tvoc_102	1	111042.711	330312.004	88928605.673	0.865	0.864
temperature_106	1	111057.864	184365.131	89074552.546	0.865	0.864
tvoc_101	1	111058.295	180210.137	89078707.540	0.865	0.864
co2_111	1	111059.300	170528.670	89088389.007	0.865	0.864
temperature_101	1	111060.160	162231.781	89096685.896	0.865	0.864
sound_104	1	111060.836	155718.881	89103198.796	0.865	0.864
humidity_107	1	111061.759	146811.053	89112106.624	0.865	0.864
co2_105	1	111061.898	145472.768	89113444.909	0.865	0.864
light_102	1	111062.236	142218.576	89116699.101	0.865	0.864
humidity_101	1	111063.948	125700.806	89133216.871	0.865	0.864
co2_103	1	111064.153	123725.168	89135192.509	0.865	0.864
tvoc_107	1	111064.815	117341.285	89141576.392	0.865	0.864
temperature_111	1	111065.089	114693.992	89144223.685	0.865	0.864
light_112	1	111066.533	100770.570	89158147.107	0.865	0.864
light_108	1	111067.672	89775.352	89169142.325	0.865	0.864
sound_103	1	111067.770	88830.457	89170087.220	0.865	0.864
sound_107	1	111067.883	87738.538	89171179.139	0.865	0.864
temperature_112	1	111068.011	86505.362	89172412.315	0.865	0.864
humidity_106	1	111069.674	70453.156	89188464.521	0.864	0.864
humidity_103	1	111071.241	55334.107	89203583.570	0.864	0.864
co2_102	1	111072.526	42923.154	89215994.523	0.864	0.864
temperature_100	1	111072.633	41897.168	89217020.509	0.864	0.864
tvoc_111	1	111073.390	34582.882	89224334.795	0.864	0.864
sound_111	1	111073.794	30684.534	89228233.142	0.864	0.864
co2_106	1	111074.160	27153.295	89231764.382	0.864	0.864
light_105	1	111074.543	23449.128	89235468.549	0.864	0.864
humidity_104	1	111074.675	22173.698	89236743.979	0.864	0.864
sound_105	1	111075.065	18412.570	89240505.107	0.864	0.864
temperature_102	1	111075.176	17342.973	89241574.703	0.864	0.864
temperature_107	1	111075.505	14165.553	89244752.124	0.864	0.864
sound_112	1	111075.550	13731.594	89245186.083	0.864	0.864
temperature_110	1	111075.814	11181.901	89247735.775	0.864	0.864

tvoc_112	1	111076.075	8658.276	89250259.401	0.864	0.864
humidity_100	1	111076.086	8547.202	89250370.475	0.864	0.864
tvoc_103	1	111076.087	8541.465	89250376.212	0.864	0.864
co2_107	1	111076.152	7911.945	89251005.732	0.864	0.864
humidity_102	1	111076.262	6848.791	89252068.886	0.864	0.864
temperature_103	1	111076.363	5871.829	89253045.848	0.864	0.864
tvoc_108	1	111076.497	4578.836	89254338.841	0.864	0.864
tvoc_104	1	111076.576	3821.083	89255096.594	0.864	0.864
co2_112	1	111076.689	2731.305	89256186.372	0.864	0.864
sound_108	1	111076.726	2373.543	89256544.134	0.864	0.864
sound_102	1	111076.785	1802.884	89257114.793	0.864	0.864
sound_100	1	111076.822	1438.527	89257479.150	0.864	0.864
sound_106	1	111076.865	1025.508	89257892.169	0.864	0.864
temperature_108	1	111076.916	533.857	89258383.820	0.864	0.864
tvoc_106	1	111076.971	4.609	89258913.068	0.864	0.864

+ tvoc_102

Step 28 : AIC = 111042.7

elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weather_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
tvoc_112	1	110988.323	540977.822	88387627.851	0.866	0.865
tvoc_103	1	111012.170	312598.265	88616007.408	0.865	0.865
tvoc_111	1	111012.506	309374.260	88619231.413	0.865	0.865
temperature_106	1	111025.343	186184.921	88742420.752	0.865	0.865
co2_103	1	111025.848	181335.235	88747270.438	0.865	0.865
tvoc_108	1	111026.608	174038.021	88754567.652	0.865	0.865
co2_111	1	111026.675	173396.310	88755209.363	0.865	0.865
humidity_107	1	111027.420	166233.702	88762371.971	0.865	0.865
sound_104	1	111027.474	165715.060	88762890.613	0.865	0.865
temperature_101	1	111028.711	153834.018	88774771.655	0.865	0.865
co2_105	1	111031.332	128652.422	88799953.251	0.865	0.865
light_102	1	111031.490	127139.307	88801466.366	0.865	0.865
temperature_111	1	111031.694	125177.340	88803428.333	0.865	0.865
humidity_101	1	111032.105	121227.071	88807378.602	0.865	0.865
sound_107	1	111034.830	95032.866	88833572.807	0.865	0.865
co2_102	1	111034.856	94783.476	88833822.197	0.865	0.865
sound_103	1	111035.458	88993.115	88839612.558	0.865	0.865
light_108	1	111035.578	87841.909	88840763.764	0.865	0.865
humidity_103	1	111035.662	87039.112	88841566.561	0.865	0.865
light_112	1	111035.969	84087.983	88844517.690	0.865	0.865
temperature_112	1	111037.412	70204.418	88858401.255	0.865	0.865
humidity_106	1	111038.175	62875.360	88865730.313	0.865	0.865
co2_106	1	111038.769	57162.029	88871443.644	0.865	0.865
temperature_100	1	111040.724	38352.125	88890253.548	0.865	0.865
sound_111	1	111040.727	38329.905	88890275.768	0.865	0.865
tvoc_106	1	111041.882	27218.349	88901387.324	0.865	0.865
humidity_102	1	111042.228	23888.658	88904717.015	0.865	0.864
light_105	1	111042.264	23540.438	88905065.235	0.865	0.864
humidity_104	1	111042.480	21462.720	88907142.953	0.865	0.864
temperature_103	1	111042.537	20910.935	88907694.738	0.865	0.864
temperature_110	1	111042.574	20556.703	88908048.970	0.865	0.864
sound_105	1	111043.077	15720.030	88912885.643	0.865	0.864
sound_112	1	111043.150	15019.765	88913585.908	0.865	0.864
temperature_107	1	111043.552	11152.258	88917453.415	0.865	0.864
humidity_100	1	111043.890	7897.443	88920708.230	0.865	0.864
co2_112	1	111043.932	7493.257	88921112.416	0.865	0.864
temperature_102	1	111044.409	2904.908	88925700.765	0.865	0.864
sound_100	1	111044.516	1870.904	88926734.769	0.865	0.864
sound_108	1	111044.528	1755.575	88926850.098	0.865	0.864
sound_102	1	111044.537	1669.380	88926936.293	0.865	0.864
tvoc_107	1	111044.572	1332.333	88927273.340	0.865	0.864
tvoc_101	1	111044.592	1143.825	88927461.848	0.865	0.864
temperature_108	1	111044.597	1093.259	88927512.414	0.865	0.864
sound_106	1	111044.654	540.956	88928064.717	0.865	0.864

```
tvoc_104      1      111044.658      509.222      88928096.451      0.865      0.864
co2_107       1      111044.695      148.089      88928457.584      0.865      0.864
```

```
+ tvoc_112
```

```
Step 29 : AIC = 110988.3
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```
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weather_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112
```

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
co2_103	1	110961.215	277979.689	88109648.163	0.866	0.866
light_112	1	110964.686	244874.330	88142753.521	0.866	0.866
tvoc_103	1	110969.166	202134.431	88185493.420	0.866	0.866
humidity_107	1	110969.238	201448.029	88186179.822	0.866	0.866
temperature_106	1	110970.480	189589.680	88198038.171	0.866	0.866
co2_102	1	110973.130	164297.205	88223330.646	0.866	0.866
temperature_101	1	110974.279	153328.778	88234299.073	0.866	0.866
sound_104	1	110976.860	128677.840	88258950.012	0.866	0.865
temperature_112	1	110977.002	127327.731	88260300.120	0.866	0.865
humidity_101	1	110977.033	127028.244	88260599.608	0.866	0.865
light_102	1	110977.512	122449.747	88265178.105	0.866	0.865
co2_105	1	110977.523	122344.968	88265282.883	0.866	0.865
sound_107	1	110979.415	104270.648	88283357.204	0.866	0.865
humidity_103	1	110981.081	88360.227	88299267.624	0.866	0.865
temperature_111	1	110981.224	86987.718	88300640.134	0.866	0.865
sound_103	1	110981.426	85057.018	88302570.833	0.866	0.865
light_108	1	110981.723	82223.091	88305404.761	0.866	0.865
co2_111	1	110983.093	69127.260	88318500.591	0.866	0.865
temperature_100	1	110984.878	52063.890	88335563.961	0.866	0.865
tvoc_108	1	110985.139	49571.117	88338056.735	0.866	0.865
co2_106	1	110985.163	49344.025	88338283.826	0.866	0.865
light_105	1	110985.445	46643.215	88340984.637	0.866	0.865
humidity_106	1	110985.651	44678.464	88342949.387	0.866	0.865
tvoc_106	1	110986.133	40067.564	88347560.287	0.866	0.865
sound_111	1	110986.267	38786.851	88348841.000	0.866	0.865
humidity_102	1	110986.292	38551.066	88349076.785	0.866	0.865
tvoc_111	1	110986.511	36456.269	88351171.582	0.866	0.865
temperature_110	1	110986.875	32975.550	88354652.302	0.866	0.865
temperature_103	1	110987.398	27977.272	88359650.579	0.866	0.865
humidity_104	1	110988.056	21684.141	88365943.710	0.866	0.865
sound_112	1	110988.179	20503.342	88367124.509	0.866	0.865
tvoc_107	1	110988.366	18717.914	88368909.938	0.866	0.865
co2_112	1	110988.490	17529.699	88370098.152	0.866	0.865
humidity_100	1	110988.864	13961.647	88373666.204	0.866	0.865
sound_105	1	110988.890	13712.542	88373915.309	0.866	0.865
tvoc_101	1	110988.890	13706.506	88373921.345	0.866	0.865
temperature_107	1	110989.752	5465.288	88382162.564	0.866	0.865
sound_100	1	110989.870	4334.042	88383293.809	0.866	0.865
tvoc_104	1	110990.003	3060.563	88384567.289	0.866	0.865
co2_107	1	110990.061	2504.626	88385123.225	0.866	0.865
sound_108	1	110990.208	1104.139	88386523.713	0.866	0.865
sound_106	1	110990.213	1053.130	88386574.722	0.866	0.865
sound_102	1	110990.221	974.188	88386653.663	0.866	0.865
temperature_108	1	110990.262	587.333	88387040.519	0.866	0.865
temperature_102	1	110990.317	55.787	88387572.064	0.866	0.865

```
+ co2_103
```

```
Step 30 : AIC = 110961.2
```

```
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weather_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103
```

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
light_112	1	110935.977	259319.031	87850329.131	0.867	0.866
temperature_106	1	110945.279	170843.462	87938804.701	0.866	0.866
humidity_107	1	110945.906	164876.147	87944772.016	0.866	0.866
temperature_101	1	110946.026	163734.519	87945913.644	0.866	0.866
light_102	1	110948.830	137045.762	87972602.401	0.866	0.866
humidity_101	1	110949.522	130453.673	87979194.489	0.866	0.866
temperature_112	1	110950.059	125341.447	87984306.715	0.866	0.866
sound_104	1	110950.723	119023.314	87990624.848	0.866	0.866
sound_107	1	110953.175	95673.659	88013974.503	0.866	0.866
sound_103	1	110953.255	94907.000	88014741.162	0.866	0.866
tvoc_103	1	110953.621	91422.251	88018225.911	0.866	0.866
co2_105	1	110953.657	91079.551	88018568.611	0.866	0.866
co2_111	1	110953.769	90012.961	88019635.201	0.866	0.866
temperature_111	1	110954.753	80644.540	88029003.623	0.866	0.866
light_108	1	110954.954	78728.483	88030919.680	0.866	0.866
humidity_103	1	110956.204	66821.541	88042826.622	0.866	0.866
temperature_100	1	110956.556	63465.336	88046182.827	0.866	0.866
tvoc_108	1	110957.921	50461.735	88059186.428	0.866	0.866
humidity_106	1	110957.975	49941.922	88059706.241	0.866	0.866
light_105	1	110958.375	46127.716	88063520.447	0.866	0.866
co2_106	1	110958.879	41328.900	88068319.262	0.866	0.866
tvoc_106	1	110959.329	37038.684	88072609.479	0.866	0.866
sound_111	1	110959.655	33928.697	88075719.466	0.866	0.866
tvoc_111	1	110959.655	33928.690	88075719.472	0.866	0.866
co2_102	1	110960.128	29423.117	88080225.046	0.866	0.866
humidity_102	1	110960.397	26859.144	88082789.019	0.866	0.866
humidity_104	1	110960.895	22109.534	88087538.629	0.866	0.866
tvoc_107	1	110960.962	21475.147	88088173.016	0.866	0.866
sound_112	1	110961.201	19197.170	88090450.993	0.866	0.866
temperature_110	1	110961.488	16458.288	88093189.875	0.866	0.866
humidity_100	1	110961.568	15701.844	88093946.319	0.866	0.866
sound_105	1	110961.835	13154.015	88096494.148	0.866	0.866
tvoc_101	1	110962.484	6961.309	88102686.854	0.866	0.866
co2_112	1	110962.575	6095.030	88103553.133	0.866	0.866
sound_100	1	110962.589	5966.472	88103681.690	0.866	0.866
temperature_107	1	110962.643	5444.568	88104203.594	0.866	0.866
temperature_103	1	110962.857	3410.786	88106237.377	0.866	0.866
temperature_102	1	110962.899	3006.291	88106641.872	0.866	0.866
sound_102	1	110963.105	1047.875	88108600.288	0.866	0.866
co2_107	1	110963.120	903.517	88108744.645	0.866	0.866
sound_106	1	110963.157	549.473	88109098.690	0.866	0.866
sound_108	1	110963.181	316.362	88109331.801	0.866	0.866
temperature_108	1	110963.194	198.728	88109449.435	0.866	0.866
tvoc_104	1	110963.197	169.144	88109479.018	0.866	0.866

+ light_112

Step 31 : AIC = 110936

```
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weather_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112
```

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
temperature_106	1	110919.859	172073.227	87678255.904	0.867	0.866
humidity_107	1	110920.189	168935.788	87681393.344	0.867	0.866
temperature_101	1	110922.555	146483.801	87703845.330	0.867	0.866
humidity_101	1	110923.746	135181.286	87715147.846	0.867	0.866
sound_104	1	110924.570	127359.641	87722969.491	0.867	0.866
light_102	1	110924.773	125430.053	87724899.079	0.867	0.866
temperature_111	1	110925.408	119409.225	87730919.906	0.867	0.866
co2_105	1	110927.684	97791.226	87752537.905	0.867	0.866
co2_111	1	110928.214	92766.864	87757562.267	0.867	0.866
sound_107	1	110928.315	91802.415	87758526.717	0.867	0.866
sound_103	1	110928.538	89684.053	87760645.079	0.867	0.866
humidity_103	1	110929.187	83526.493	87766802.638	0.867	0.866

light_108	1	110930.005	75756.114	87774573.017	0.867	0.866
tvoc_103	1	110930.224	73668.436	87776660.695	0.867	0.866
temperature_112	1	110931.968	57101.242	87793227.890	0.867	0.866
tvoc_111	1	110933.445	43069.488	87807259.643	0.867	0.866
co2_106	1	110933.882	38919.604	87811409.527	0.867	0.866
humidity_102	1	110933.947	38306.516	87812022.615	0.867	0.866
tvoc_108	1	110933.991	37879.065	87812450.066	0.867	0.866
temperature_100	1	110934.046	37362.673	87812966.458	0.867	0.866
sound_111	1	110934.075	37085.897	87813243.234	0.867	0.866
co2_102	1	110934.381	34178.597	87816150.534	0.867	0.866
tvoc_106	1	110934.830	29915.006	87820414.126	0.867	0.866
temperature_110	1	110935.049	27829.987	87822499.144	0.867	0.866
humidity_106	1	110935.266	25763.039	87824566.093	0.867	0.866
tvoc_107	1	110935.557	23000.315	87827328.816	0.867	0.866
humidity_100	1	110936.371	15263.273	87835065.858	0.867	0.866
humidity_104	1	110936.393	15055.907	87835273.224	0.867	0.866
tvoc_101	1	110936.578	13298.267	87837030.864	0.867	0.866
sound_105	1	110936.636	12745.983	87837583.149	0.867	0.866
sound_112	1	110936.647	12641.400	87837687.731	0.867	0.866
temperature_107	1	110936.746	11697.127	87838632.004	0.867	0.866
light_105	1	110936.796	11228.425	87839100.706	0.867	0.866
temperature_103	1	110937.265	6770.765	87843558.367	0.867	0.866
temperature_108	1	110937.699	2643.380	87847685.751	0.867	0.866
sound_100	1	110937.725	2397.190	87847931.941	0.867	0.866
co2_112	1	110937.864	1077.038	87849252.093	0.867	0.866
sound_102	1	110937.865	1064.945	87849264.186	0.867	0.866
temperature_102	1	110937.916	580.853	87849748.279	0.867	0.866
sound_106	1	110937.931	435.180	87849893.951	0.867	0.866
co2_107	1	110937.953	226.263	87850102.869	0.867	0.866
tvoc_104	1	110937.970	66.776	87850262.355	0.867	0.866
sound_108	1	110937.976	7.082	87850322.050	0.867	0.866

+ temperature_106

Step 32 : AIC = 110919.9

elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad + light_104 + weather_bar + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112 + temperature_106

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
temperature_112	1	110850.117	678048.749	87000207.155	0.868	0.867
temperature_101	1	110896.843	237028.177	87441227.727	0.867	0.867
temperature_107	1	110898.657	219857.411	87458398.493	0.867	0.867
temperature_108	1	110900.348	203858.278	87474397.626	0.867	0.867
temperature_100	1	110905.974	150585.677	87527670.227	0.867	0.867
humidity_107	1	110907.967	131702.820	87546553.084	0.867	0.867
sound_104	1	110908.756	124228.911	87554026.993	0.867	0.866
light_102	1	110909.393	118195.279	87560060.625	0.867	0.866
sound_103	1	110911.945	94013.734	87584242.170	0.867	0.866
humidity_103	1	110912.302	90624.169	87587631.735	0.867	0.866
co2_105	1	110912.473	89006.617	87589249.287	0.867	0.866
sound_107	1	110912.627	87541.823	87590714.081	0.867	0.866
co2_111	1	110913.072	83329.216	87594926.688	0.867	0.866
humidity_101	1	110913.532	78967.110	87599288.794	0.867	0.866
co2_106	1	110913.854	75912.834	87602343.070	0.867	0.866
light_108	1	110913.919	75298.345	87602957.559	0.867	0.866
humidity_102	1	110915.730	58127.335	87620128.569	0.867	0.866
humidity_106	1	110915.818	57292.250	87620963.654	0.867	0.866
tvoc_103	1	110916.549	50364.711	87627891.193	0.867	0.866
tvoc_111	1	110917.077	45354.107	87632901.797	0.867	0.866
sound_111	1	110917.856	37965.185	87640290.719	0.867	0.866
temperature_110	1	110918.038	36242.463	87642013.441	0.867	0.866
tvoc_108	1	110918.113	35529.218	87642726.686	0.867	0.866
co2_102	1	110918.148	35196.676	87643059.228	0.867	0.866
light_105	1	110918.776	29243.291	87649012.613	0.867	0.866
tvoc_107	1	110919.388	23440.499	87654815.405	0.867	0.866
tvoc_106	1	110919.614	21291.250	87656964.654	0.867	0.866
humidity_104	1	110919.983	17796.264	87660459.640	0.867	0.866

sound_112	1	110920.481	13071.656	87665184.248	0.867	0.866
sound_105	1	110920.536	12544.411	87665711.493	0.867	0.866
tvoc_101	1	110920.637	11593.985	87666661.919	0.867	0.866
temperature_102	1	110920.654	11424.830	87666831.074	0.867	0.866
co2_107	1	110921.082	7372.816	87670883.088	0.867	0.866
sound_100	1	110921.646	2019.689	87676236.215	0.867	0.866
co2_112	1	110921.646	2013.827	87676242.077	0.867	0.866
humidity_100	1	110921.725	1267.874	87676988.030	0.867	0.866
tvoc_104	1	110921.754	997.651	87677258.253	0.867	0.866
sound_102	1	110921.757	960.607	87677295.297	0.867	0.866
sound_106	1	110921.814	419.535	87677836.369	0.867	0.866
sound_108	1	110921.830	275.437	87677980.467	0.867	0.866
temperature_103	1	110921.839	184.221	87678071.683	0.867	0.866
temperature_111	1	110921.858	10.140	87678245.764	0.867	0.866

+ temperature_112

Step 33 : AIC = 110850.1
 elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weather_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
temperature_111	1	110809.649	398896.390	86601310.766	0.868	0.868
temperature_101	1	110832.665	182940.950	86817266.205	0.868	0.868
co2_111	1	110834.820	162693.829	86837513.327	0.868	0.868
sound_104	1	110837.885	133881.886	86866325.270	0.868	0.868
humidity_107	1	110838.013	132676.866	86867530.290	0.868	0.868
light_102	1	110838.299	129989.343	86870217.812	0.868	0.868
humidity_101	1	110839.980	114188.939	86886018.216	0.868	0.868
co2_105	1	110840.149	112598.910	86887608.246	0.868	0.868
co2_106	1	110840.792	106552.135	86893655.020	0.868	0.867
sound_103	1	110841.124	103427.753	86896779.403	0.868	0.867
humidity_103	1	110842.619	89376.658	86910830.498	0.868	0.867
sound_107	1	110843.426	81785.046	86918422.110	0.868	0.867
tvoc_103	1	110843.612	80028.601	86920178.554	0.868	0.867
light_108	1	110844.282	73726.600	86926480.555	0.868	0.867
temperature_100	1	110845.951	58030.527	86942176.629	0.868	0.867
tvoc_111	1	110846.581	52101.483	86948105.672	0.868	0.867
humidity_106	1	110846.755	50460.017	86949747.138	0.868	0.867
humidity_102	1	110847.500	43452.500	86956754.655	0.868	0.867
co2_102	1	110847.743	41167.969	86959039.187	0.868	0.867
sound_111	1	110848.006	38689.005	86961518.150	0.868	0.867
tvoc_107	1	110848.110	37718.004	86962489.152	0.868	0.867
temperature_108	1	110848.502	34029.342	86966177.814	0.868	0.867
tvoc_108	1	110849.111	28293.161	86971913.995	0.868	0.867
temperature_110	1	110849.339	26152.084	86974055.071	0.868	0.867
light_105	1	110849.859	21255.897	86978951.259	0.868	0.867
humidity_104	1	110850.015	19789.662	86980417.493	0.868	0.867
sound_112	1	110850.521	15023.152	86985184.003	0.868	0.867
co2_112	1	110850.566	14602.848	86985604.307	0.868	0.867
tvoc_106	1	110850.790	12488.833	86987718.322	0.868	0.867
sound_105	1	110850.875	11687.594	86988519.561	0.868	0.867
tvoc_101	1	110851.036	10177.719	86990029.436	0.868	0.867
temperature_102	1	110851.637	4520.997	86995686.158	0.868	0.867
temperature_107	1	110851.683	4088.221	86996118.935	0.868	0.867
sound_108	1	110851.721	3724.180	86996482.976	0.868	0.867
sound_100	1	110851.877	2259.861	86997947.295	0.868	0.867
tvoc_104	1	110851.882	2211.330	86997995.826	0.868	0.867
sound_106	1	110851.992	1170.352	86999036.803	0.868	0.867
temperature_103	1	110852.007	1035.223	86999171.932	0.868	0.867
sound_102	1	110852.014	969.739	86999237.416	0.868	0.867
co2_107	1	110852.067	473.093	86999734.062	0.868	0.867
humidity_100	1	110852.083	320.052	86999887.104	0.868	0.867

+ temperature_111

Step 34 : AIC = 110809.6

```
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weather_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111
```

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
temperature_107	1	110763.775	447489.380	86153821.386	0.869	0.869
temperature_108	1	110786.580	234616.252	86366694.513	0.869	0.868
temperature_101	1	110789.250	209656.470	86391654.296	0.869	0.868
co2_111	1	110793.807	167050.028	86434260.738	0.869	0.868
humidity_107	1	110797.044	136765.962	86464544.803	0.869	0.868
sound_104	1	110798.758	120730.085	86480580.681	0.869	0.868
temperature_100	1	110799.608	112771.292	86488539.474	0.869	0.868
light_102	1	110800.711	102451.683	86498859.082	0.869	0.868
sound_103	1	110801.761	92613.979	86508696.786	0.869	0.868
humidity_106	1	110801.888	91429.631	86509881.134	0.869	0.868
sound_107	1	110802.298	87592.466	86513718.299	0.869	0.868
co2_105	1	110803.240	78774.077	86522536.689	0.869	0.868
light_108	1	110804.120	70528.439	86530782.327	0.869	0.868
tvoc_103	1	110804.140	70348.751	86530962.015	0.869	0.868
humidity_101	1	110804.739	64735.828	86536574.938	0.869	0.868
co2_106	1	110805.041	61906.665	86539404.101	0.869	0.868
humidity_103	1	110805.381	58720.561	86542590.205	0.869	0.868
tvoc_111	1	110805.950	53398.700	86547912.066	0.869	0.868
sound_111	1	110807.408	39734.172	86561576.594	0.868	0.868
tvoc_107	1	110807.585	38076.315	86563234.451	0.868	0.868
light_105	1	110807.649	37485.036	86563825.729	0.868	0.868
tvoc_108	1	110808.048	33742.727	86567568.039	0.868	0.868
humidity_102	1	110808.269	31668.333	86569642.433	0.868	0.868
temperature_110	1	110808.279	31576.664	86569734.102	0.868	0.868
temperature_102	1	110808.280	31571.476	86569739.290	0.868	0.868
humidity_104	1	110808.383	30606.537	86570704.228	0.868	0.868
co2_102	1	110808.655	28054.908	86573255.858	0.868	0.868
co2_112	1	110809.003	24799.750	86576511.016	0.868	0.868
tvoc_106	1	110810.189	13682.334	86587628.432	0.868	0.868
sound_112	1	110810.543	10370.281	86590940.485	0.868	0.868
sound_105	1	110810.664	9231.018	86592079.748	0.868	0.868
tvoc_101	1	110810.690	8994.430	86592316.336	0.868	0.868
temperature_103	1	110810.698	8918.207	86592392.559	0.868	0.868
sound_108	1	110811.079	5345.432	86595965.333	0.868	0.868
tvoc_104	1	110811.240	3836.608	86597474.158	0.868	0.868
humidity_100	1	110811.281	3453.477	86597857.288	0.868	0.868
sound_100	1	110811.385	2476.722	86598834.044	0.868	0.868
co2_107	1	110811.544	988.294	86600322.471	0.868	0.868
sound_102	1	110811.547	957.060	86600353.706	0.868	0.868
sound_106	1	110811.602	443.624	86600867.142	0.868	0.868

+ temperature_107

Step 35 : AIC = 110763.8

```
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weather_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + temperature_107
```

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
temperature_101	1	110738.940	249823.529	85903997.857	0.869	0.869
temperature_100	1	110746.767	177026.137	85976795.248	0.869	0.869
temperature_108	1	110750.852	139019.944	86014801.441	0.869	0.869
sound_104	1	110752.780	121072.920	86032748.466	0.869	0.869
co2_111	1	110753.205	117107.997	86036713.388	0.869	0.869
humidity_106	1	110753.292	116297.399	86037523.987	0.869	0.869
light_102	1	110753.772	111834.831	86041986.555	0.869	0.869


```

humidity_101      1      110754.715      103049.862      86050771.523      0.869      0.869
co2_105           1      110755.889      92117.846      86061703.540      0.869      0.869
sound_103         1      110756.265      88616.910      86065204.476      0.869      0.869
light_108         1      110757.007      81707.540      86072113.846      0.869      0.869
sound_107         1      110757.025      81535.553      86072285.833      0.869      0.869
co2_106           1      110757.067      81144.032      86072677.354      0.869      0.869
humidity_103      1      110759.135      61880.763      86091940.623      0.869      0.869
tvoc_108          1      110760.810      46274.178      86107547.208      0.869      0.869
tvoc_103          1      110760.867      45745.180      86108076.206      0.869      0.869
tvoc_111          1      110760.873      45694.195      86108127.190      0.869      0.869
sound_111         1      110760.979      44702.308      86109119.077      0.869      0.869
tvoc_107          1      110761.784      37198.227      86116623.159      0.869      0.869
temperature_102   1      110762.019      35009.925      86118811.460      0.869      0.869
humidity_102      1      110763.465      21535.547      86132285.839      0.869      0.869
co2_102           1      110763.692      19415.434      86134405.952      0.869      0.869
humidity_104      1      110763.760      18784.622      86135036.763      0.869      0.869
light_105         1      110764.203      14656.825      86139164.561      0.869      0.869
sound_112         1      110764.269      14042.504      86139778.882      0.869      0.869
temperature_110   1      110764.279      13947.403      86139873.982      0.869      0.869
humidity_107      1      110764.430      12536.847      86141284.539      0.869      0.869
tvoc_106          1      110764.577      11169.076      86142652.309      0.869      0.869
tvoc_101          1      110764.762      9447.356      86144374.029      0.869      0.869
sound_105         1      110764.900      8154.470      86145666.915      0.869      0.869
co2_112           1      110764.987      7348.292      86146473.094      0.869      0.869
tvoc_104          1      110764.987      7346.685      86146474.700      0.869      0.869
humidity_100      1      110765.119      6118.552      86147702.834      0.869      0.869
temperature_103   1      110765.428      3239.206      86150582.180      0.869      0.869
sound_108         1      110765.445      3076.173      86150745.213      0.869      0.869
sound_100         1      110765.558      2022.439      86151798.946      0.869      0.869
sound_106         1      110765.652      1145.860      86152675.526      0.869      0.869
sound_102         1      110765.695      742.626      86153078.760      0.869      0.869
co2_107           1      110765.753      207.439      86153613.946      0.869      0.869
-----

```

```
+ temperature_101
```

```
Step 36 : AIC = 110738.9
```

```

elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tv
oc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + h
umidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weath
er_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_10
2 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + tem
perature_107 + temperature_101

```

```

-----
Variable      DF      AIC      Sum Sq      RSS      R-Sq      Adj. R-Sq
-----
sound_104      1      110727.927      120883.718      85783114.139      0.870      0.869
co2_105        1      110729.391      107291.273      85796706.584      0.870      0.869
light_102      1      110730.289      98950.789      85805047.067      0.870      0.869
co2_106        1      110730.755      94623.594      85809374.263      0.870      0.869
sound_103      1      110731.002      92332.156      85811665.701      0.870      0.869
humidity_100   1      110731.146      90998.250      85812999.607      0.870      0.869
humidity_106   1      110731.699      85855.532      85818142.325      0.870      0.869
humidity_101   1      110731.894      84052.113      85819945.744      0.870      0.869
light_108      1      110732.571      77759.471      85826238.386      0.870      0.869
temperature_108 1      110733.003      73745.485      85830252.372      0.870      0.869
co2_111        1      110733.464      69464.255      85834533.602      0.870      0.869
sound_107      1      110733.542      68741.921      85835255.935      0.870      0.869
humidity_102   1      110734.296      61736.807      85842261.049      0.870      0.869
humidity_107   1      110735.572      49885.705      85854112.152      0.870      0.869
sound_111      1      110735.750      48228.563      85855769.293      0.870      0.869
humidity_103   1      110736.317      42960.339      85861037.518      0.870      0.869
tvoc_111       1      110736.343      42720.666      85861277.191      0.870      0.869
tvoc_108       1      110736.382      42358.054      85861639.802      0.870      0.869
tvoc_103       1      110736.469      41548.095      85862449.762      0.870      0.869
tvoc_107       1      110737.135      35359.567      85868638.289      0.870      0.869
co2_102        1      110738.461      23036.666      85880961.191      0.870      0.869
humidity_104   1      110738.977      18243.599      85885754.258      0.870      0.869
sound_112      1      110739.151      16628.415      85887369.441      0.870      0.869
sound_108      1      110739.438      13958.371      85890039.485      0.870      0.869
tvoc_106       1      110739.517      13222.430      85890775.427      0.870      0.869
temperature_110 1      110739.562      12808.012      85891189.844      0.870      0.869

```

```

temperature_100      1      110739.801      10582.376      85893415.480      0.869      0.869
light_105             1      110739.894       9716.661      85894281.196      0.869      0.869
sound_105             1      110739.927       9409.169      85894588.688      0.869      0.869
tvoc_101              1      110740.183       7033.690      85896964.166      0.869      0.869
tvoc_104              1      110740.324       5727.511      85898270.346      0.869      0.869
temperature_103       1      110740.588       3270.016      85900727.840      0.869      0.869
temperature_102       1      110740.625       2929.935      85901067.921      0.869      0.869
sound_100             1      110740.662       2581.757      85901416.100      0.869      0.869
sound_106             1      110740.795       1343.034      85902654.823      0.869      0.869
sound_102             1      110740.891        448.630      85903549.227      0.869      0.869
co2_107               1      110740.894        420.736      85903577.120      0.869      0.869
co2_112               1      110740.933         66.460      85903931.396      0.869      0.869
-----

```

```
+ sound_104
```

```
Step 37 : AIC = 110727.9
```

```

elec general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tv
oc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + h
umidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weath
er_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_10
2 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + tem
perature_107 + temperature_101 + sound_104

```

```

-----
Variable              DF      AIC      Sum Sq      RSS      R-Sq      Adj. R-Sq
-----
light_102              1      110719.196     99557.401     85683556.737     0.870     0.869
co2_105                1      110719.263     98931.538     85684182.601     0.870     0.869
humidity_100           1      110719.848     93511.639     85689602.500     0.870     0.869
sound_103              1      110720.025     91863.937     85691250.202     0.870     0.869
humidity_101           1      110720.793     84743.661     85698370.477     0.870     0.869
humidity_106           1      110720.945     83335.027     85699779.112     0.870     0.869
sound_107              1      110721.119     81720.602     85701393.537     0.870     0.869
co2_106                1      110721.328     79781.693     85703332.446     0.870     0.869
light_108              1      110721.564     77591.069     85705523.070     0.870     0.869
temperature_108        1      110721.604     77226.348     85705887.790     0.870     0.869
co2_111                1      110722.566     68300.086     85714814.053     0.870     0.869
humidity_102           1      110723.255     61909.664     85721204.474     0.870     0.869
tvoc_111               1      110724.075     54303.007     85728811.131     0.870     0.869
humidity_107           1      110724.320     52031.602     85731082.536     0.870     0.869
tvoc_108               1      110725.126     44555.782     85738558.357     0.870     0.869
sound_111              1      110725.181     44046.289     85739067.850     0.870     0.869
humidity_103           1      110725.240     43491.713     85739622.425     0.870     0.869
tvoc_103               1      110725.259     43313.921     85739800.218     0.870     0.869
tvoc_107               1      110726.850     28553.698     85754560.440     0.870     0.869
co2_102                1      110727.517     22369.212     85760744.926     0.870     0.869
sound_112              1      110728.069     17244.544     85765869.595     0.870     0.869
humidity_104           1      110728.103     16928.768     85766185.370     0.870     0.869
tvoc_106               1      110728.412     14059.211     85769054.928     0.870     0.869
temperature_110        1      110728.474     13488.226     85769625.912     0.870     0.869
sound_108              1      110728.545     12825.653     85770288.485     0.870     0.869
light_105              1      110728.814     10326.398     85772787.741     0.870     0.869
temperature_100        1      110728.816     10314.008     85772800.131     0.870     0.869
sound_105              1      110728.898      9546.404     85773567.735     0.870     0.869
tvoc_101               1      110729.165      7067.416     85776046.723     0.870     0.869
sound_100              1      110729.339      5454.759     85777659.379     0.870     0.869
temperature_103        1      110729.616      2880.857     85780233.281     0.870     0.869
temperature_102        1      110729.641      2654.774     85780459.365     0.870     0.869
tvoc_104               1      110729.699      2111.207     85781002.931     0.870     0.869
co2_107                1      110729.718      1937.084     85781177.054     0.870     0.869
sound_106              1      110729.853       687.629     85782426.510     0.870     0.869
sound_102              1      110729.894       305.950     85782808.188     0.870     0.869
co2_112                1      110729.916        98.051     85783016.087     0.870     0.869
-----

```

```
+ light_102
```

```
Step 38 : AIC = 110719.2
```

```

elec general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tv
oc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + h
umidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weath

```

```
er_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_10
2 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + tem
perature_107 + temperature_101 + sound_104 + light_102
```

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
sound_103	1	110707.788	124229.860	85559326.877	0.870	0.869
co2_105	1	110710.550	98650.552	85584906.185	0.870	0.869
humidity_100	1	110710.998	94498.981	85589057.756	0.870	0.869
humidity_106	1	110711.149	93100.332	85590456.406	0.870	0.869
humidity_101	1	110712.118	84125.499	85599431.238	0.870	0.869
sound_107	1	110712.549	80137.176	85603419.562	0.870	0.869
temperature_108	1	110712.981	76133.844	85607422.894	0.870	0.869
co2_106	1	110713.144	74621.211	85608935.527	0.870	0.869
light_108	1	110713.156	74511.323	85609045.414	0.870	0.869
co2_111	1	110713.795	68594.633	85614962.104	0.870	0.869
tvoc_111	1	110715.344	54242.325	85629314.412	0.870	0.869
humidity_102	1	110715.504	52760.611	85630796.126	0.870	0.869
humidity_107	1	110715.745	50526.633	85633030.104	0.870	0.869
tvoc_103	1	110716.019	47983.505	85635573.232	0.870	0.869
sound_111	1	110716.285	45522.553	85638034.184	0.870	0.869
tvoc_108	1	110716.299	45391.658	85638165.079	0.870	0.869
humidity_103	1	110717.938	30199.405	85653357.333	0.870	0.869
tvoc_107	1	110718.433	25611.039	85657945.699	0.870	0.869
sound_102	1	110718.743	22733.788	85660822.950	0.870	0.869
humidity_104	1	110718.979	20546.100	85663010.637	0.870	0.869
sound_112	1	110719.167	18807.141	85664749.596	0.870	0.869
co2_102	1	110719.184	18648.744	85664907.993	0.870	0.869
light_105	1	110719.318	17406.653	85666150.084	0.870	0.869
tvoc_106	1	110719.581	14969.418	85668587.319	0.870	0.869
sound_108	1	110720.004	11045.304	85672511.434	0.870	0.869
temperature_100	1	110720.147	9725.516	85673831.221	0.870	0.869
sound_105	1	110720.147	9721.729	85673835.008	0.870	0.869
temperature_110	1	110720.352	7821.789	85675734.948	0.870	0.869
tvoc_101	1	110720.403	7347.825	85676208.913	0.870	0.869
temperature_103	1	110720.423	7166.696	85676390.041	0.870	0.869
sound_100	1	110720.713	4474.740	85679081.997	0.870	0.869
co2_107	1	110720.850	3201.595	85680355.143	0.870	0.869
temperature_102	1	110720.919	2567.567	85680989.170	0.870	0.869
tvoc_104	1	110721.067	1193.988	85682362.749	0.870	0.869
sound_106	1	110721.125	654.094	85682902.644	0.870	0.869
co2_112	1	110721.195	6.694	85683550.043	0.870	0.869

```
+ sound_103
```

```
Step 39 : AIC = 110707.8
```

```
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tv
oc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + h
umidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weath
er_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_10
2 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + tem
perature_107 + temperature_101 + sound_104 + light_102 + sound_103
```

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
humidity_106	1	110698.849	101215.948	85458110.929	0.870	0.870
humidity_100	1	110699.025	99591.404	85459735.473	0.870	0.870
co2_105	1	110699.576	94497.976	85464828.901	0.870	0.870
humidity_101	1	110700.556	85426.970	85473899.908	0.870	0.870
sound_107	1	110701.122	80193.460	85479133.417	0.870	0.870
temperature_108	1	110701.403	77591.343	85481735.534	0.870	0.870
co2_106	1	110701.765	74243.316	85485083.562	0.870	0.870
light_108	1	110701.910	72907.364	85486419.513	0.870	0.870
co2_111	1	110702.539	67088.147	85492238.730	0.870	0.870
tvoc_103	1	110703.825	55188.549	85504138.328	0.870	0.870
humidity_102	1	110703.964	53900.515	85505426.363	0.870	0.870
tvoc_111	1	110704.187	51839.814	85507487.063	0.870	0.870
humidity_107	1	110704.598	48038.349	85511288.528	0.870	0.870
sound_111	1	110704.688	47202.556	85512124.321	0.870	0.870
tvoc_108	1	110704.784	46315.375	85513011.503	0.870	0.870

sound_102	1	110706.374	31603.231	85527723.646	0.870	0.869
light_105	1	110706.668	28879.516	85530447.361	0.870	0.869
humidity_103	1	110706.820	27475.902	85531850.975	0.870	0.869
tvoc_107	1	110707.270	23306.529	85536020.348	0.870	0.869
humidity_104	1	110707.543	20778.503	85538548.374	0.870	0.869
co2_102	1	110707.884	17619.885	85541706.992	0.870	0.869
sound_112	1	110707.907	17413.180	85541913.697	0.870	0.869
tvoc_106	1	110708.127	15377.653	85543949.224	0.870	0.869
sound_105	1	110708.784	9291.872	85550035.005	0.870	0.869
sound_108	1	110708.785	9287.130	85550039.747	0.870	0.869
temperature_100	1	110708.874	8463.195	85550863.683	0.870	0.869
tvoc_101	1	110709.048	6844.019	85552482.859	0.870	0.869
temperature_110	1	110709.100	6368.034	85552958.843	0.870	0.869
sound_100	1	110709.239	5080.689	85554246.188	0.870	0.869
temperature_103	1	110709.424	3368.852	85555958.025	0.870	0.869
co2_107	1	110709.445	3170.894	85556155.984	0.870	0.869
temperature_102	1	110709.580	1918.004	85557408.873	0.870	0.869
tvoc_104	1	110709.696	850.983	85558475.894	0.870	0.869
sound_106	1	110709.725	579.689	85558747.188	0.870	0.869
co2_112	1	110709.786	19.450	85559307.427	0.870	0.869

+ humidity_106

Step 40 : AIC = 110698.8

elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad + light_104 + weather_bar + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + temperature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
humidity_107	1	110669.134	292788.608	85165322.321	0.871	0.870
humidity_100	1	110690.326	97260.644	85360850.285	0.870	0.870
temperature_108	1	110690.530	95378.171	85362732.758	0.870	0.870
co2_105	1	110691.207	89120.353	85368990.577	0.870	0.870
sound_107	1	110691.445	86923.754	85371187.175	0.870	0.870
light_108	1	110692.946	73053.413	85385057.516	0.870	0.870
co2_111	1	110694.343	60148.419	85397962.511	0.870	0.870
humidity_102	1	110694.362	59966.342	85398144.587	0.870	0.870
humidity_101	1	110694.971	54339.095	85403771.835	0.870	0.870
tvoc_103	1	110695.161	52587.584	85405523.345	0.870	0.870
tvoc_111	1	110695.710	47509.070	85410601.859	0.870	0.870
tvoc_108	1	110696.211	42881.245	85415229.684	0.870	0.870
sound_111	1	110696.223	42766.936	85415343.993	0.870	0.870
co2_106	1	110696.586	39413.547	85418697.382	0.870	0.870
light_105	1	110696.957	35986.764	85422124.165	0.870	0.870
humidity_103	1	110696.993	35654.917	85422456.013	0.870	0.870
sound_102	1	110697.039	35232.033	85422878.897	0.870	0.870
tvoc_106	1	110698.399	22651.466	85435459.463	0.870	0.870
co2_102	1	110698.812	18835.466	85439275.463	0.870	0.870
tvoc_107	1	110698.915	17884.205	85440226.724	0.870	0.870
sound_112	1	110699.029	16834.741	85441276.188	0.870	0.870
sound_108	1	110699.101	16166.990	85441943.940	0.870	0.870
temperature_110	1	110699.392	13475.520	85444635.409	0.870	0.870
sound_105	1	110699.725	10398.839	85447712.090	0.870	0.870
co2_107	1	110699.743	10228.125	85447882.804	0.870	0.870
humidity_104	1	110699.840	9328.227	85448782.702	0.870	0.870
sound_100	1	110700.224	5781.743	85452329.187	0.870	0.870
tvoc_101	1	110700.315	4937.663	85453173.266	0.870	0.870
temperature_100	1	110700.466	3545.484	85454565.445	0.870	0.870
temperature_103	1	110700.733	1077.171	85457033.758	0.870	0.870
sound_106	1	110700.791	533.885	85457577.044	0.870	0.870
temperature_102	1	110700.801	440.869	85457670.061	0.870	0.870
co2_112	1	110700.831	168.320	85457942.609	0.870	0.870
tvoc_104	1	110700.836	125.600	85457985.329	0.870	0.870

+ humidity_107

Step 41 : AIC = 110669.1

```
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad + light_104 + weather_bar + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + temperature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_107
```

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
temperature_108	1	110656.287	136717.774	85028604.548	0.871	0.870
humidity_102	1	110660.007	102486.825	85062835.496	0.871	0.870
humidity_100	1	110661.698	86917.738	85078404.583	0.871	0.870
humidity_101	1	110661.764	86312.221	85079010.100	0.871	0.870
sound_107	1	110662.296	81415.459	85083906.863	0.871	0.870
co2_105	1	110662.417	80303.311	85085019.010	0.871	0.870
light_108	1	110663.050	74470.753	85090851.568	0.871	0.870
humidity_103	1	110664.321	62769.480	85102552.842	0.871	0.870
tvoc_103	1	110664.849	57899.778	85107422.544	0.871	0.870
co2_111	1	110665.026	56275.723	85109046.599	0.871	0.870
co2_106	1	110666.154	45884.687	85119437.635	0.871	0.870
tvoc_108	1	110666.308	44467.567	85120854.754	0.871	0.870
tvoc_111	1	110666.358	44002.220	85121320.101	0.871	0.870
sound_111	1	110666.367	43923.530	85121398.792	0.871	0.870
sound_102	1	110667.133	36862.543	85128459.779	0.871	0.870
light_105	1	110667.934	29485.202	85135837.119	0.871	0.870
tvoc_107	1	110668.438	24844.561	85140477.760	0.871	0.870
co2_102	1	110668.871	20850.233	85144472.088	0.871	0.870
tvoc_106	1	110668.913	20463.054	85144859.267	0.871	0.870
sound_112	1	110669.172	18083.753	85147238.569	0.871	0.870
temperature_100	1	110669.456	15465.969	85149856.352	0.871	0.870
sound_108	1	110669.905	11325.399	85153996.922	0.871	0.870
humidity_104	1	110670.212	8495.163	85156827.159	0.871	0.870
sound_105	1	110670.315	7549.955	85157772.366	0.871	0.870
temperature_110	1	110670.470	6124.993	85159197.329	0.871	0.870
sound_100	1	110670.511	5744.251	85159578.071	0.871	0.870
tvoc_101	1	110670.560	5291.647	85160030.674	0.871	0.870
co2_107	1	110670.949	1706.872	85163615.449	0.871	0.870
sound_106	1	110671.006	1180.488	85164141.834	0.871	0.870
temperature_102	1	110671.091	393.291	85164929.031	0.871	0.870
tvoc_104	1	110671.111	209.100	85165113.222	0.871	0.870
co2_112	1	110671.129	43.313	85165279.009	0.871	0.870
temperature_103	1	110671.133	9.093	85165313.228	0.871	0.870

+ temperature_108

Step 42 : AIC = 110656.3

```
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad + light_104 + weather_bar + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + temperature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_107 + temperature_108
```

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
humidity_102	1	110645.466	117893.914	84910710.634	0.871	0.870
co2_105	1	110646.919	104540.340	84924064.208	0.871	0.870
sound_107	1	110649.091	84575.219	84944029.329	0.871	0.870
humidity_101	1	110649.547	80383.051	84948221.497	0.871	0.870
light_108	1	110650.428	72285.258	84956319.290	0.871	0.870
humidity_100	1	110650.478	71828.987	84956775.561	0.871	0.870
humidity_103	1	110650.558	71091.559	84957512.989	0.871	0.870
co2_106	1	110651.647	61074.133	84967530.415	0.871	0.870
tvoc_103	1	110652.118	56748.652	84971855.896	0.871	0.870
tvoc_108	1	110652.962	48990.943	84979613.605	0.871	0.870
tvoc_111	1	110653.372	45216.208	84983388.340	0.871	0.870

sound_111	1	110653.426	44721.544	84983883.004	0.871	0.870
co2_111	1	110653.574	43356.910	84985247.638	0.871	0.870
sound_102	1	110654.148	38079.009	84990525.538	0.871	0.870
light_105	1	110654.908	31086.764	84997517.784	0.871	0.870
tvoc_106	1	110655.538	25290.821	85003313.727	0.871	0.870
sound_112	1	110656.245	18795.315	85009809.233	0.871	0.870
tvoc_107	1	110656.382	17532.888	85011071.659	0.871	0.870
sound_108	1	110656.395	17407.312	85011197.235	0.871	0.870
temperature_100	1	110656.465	16764.136	85011840.412	0.871	0.870
co2_102	1	110656.965	12170.591	85016433.957	0.871	0.870
humidity_104	1	110657.022	11638.305	85016966.242	0.871	0.870
sound_100	1	110657.320	8901.996	85019702.551	0.871	0.870
sound_105	1	110657.430	7890.997	85020713.551	0.871	0.870
co2_112	1	110657.727	5152.519	85023452.028	0.871	0.870
co2_107	1	110657.736	5069.990	85023534.558	0.871	0.870
tvoc_101	1	110657.790	4573.236	85024031.311	0.871	0.870
temperature_110	1	110657.913	3444.373	85025160.175	0.871	0.870
temperature_102	1	110658.059	2097.564	85026506.984	0.871	0.870
sound_106	1	110658.121	1532.461	85027072.087	0.871	0.870
temperature_103	1	110658.234	487.809	85028116.739	0.871	0.870
tvoc_104	1	110658.287	3.033	85028601.514	0.871	0.870

+ humidity_102

Step 43 : AIC = 110645.5

elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad + light_104 + weather_bar + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + temperature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_107 + temperature_108 + humidity_102

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
temperature_102	1	110602.889	408604.906	84502105.728	0.872	0.871
temperature_103	1	110629.203	167644.376	84743066.258	0.871	0.871
co2_105	1	110634.328	120628.706	84790081.928	0.871	0.871
humidity_100	1	110637.273	93602.019	84817108.615	0.871	0.871
sound_107	1	110638.294	84236.116	84826474.517	0.871	0.871
co2_106	1	110639.437	73735.078	84836975.556	0.871	0.870
light_108	1	110639.523	72954.153	84837756.481	0.871	0.870
tvoc_108	1	110641.436	55388.268	84855322.366	0.871	0.870
humidity_104	1	110641.839	51687.031	84859023.603	0.871	0.870
sound_111	1	110642.353	46964.637	84863745.996	0.871	0.870
light_105	1	110642.457	46006.662	84864703.972	0.871	0.870
tvoc_103	1	110642.534	45301.754	84865408.880	0.871	0.870
tvoc_111	1	110642.694	43835.049	84866875.585	0.871	0.870
humidity_101	1	110643.526	36190.689	84874519.945	0.871	0.870
sound_102	1	110643.842	33294.459	84877416.175	0.871	0.870
co2_111	1	110643.971	32107.622	84878603.012	0.871	0.870
tvoc_106	1	110644.697	25434.770	84885275.863	0.871	0.870
sound_112	1	110645.342	19510.527	84891200.107	0.871	0.870
tvoc_107	1	110645.784	15449.168	84895261.466	0.871	0.870
co2_112	1	110646.050	13004.130	84897706.504	0.871	0.870
co2_102	1	110646.282	10878.471	84899832.163	0.871	0.870
sound_108	1	110646.385	9933.001	84900777.633	0.871	0.870
co2_107	1	110646.421	9594.362	84901116.271	0.871	0.870
sound_100	1	110646.556	8360.341	84902350.293	0.871	0.870
sound_105	1	110646.689	7140.930	84903569.704	0.871	0.870
humidity_103	1	110646.984	4429.749	84906280.885	0.871	0.870
temperature_100	1	110647.110	3266.678	84907443.956	0.871	0.870
tvoc_101	1	110647.190	2530.279	84908180.355	0.871	0.870
sound_106	1	110647.307	1453.850	84909256.784	0.871	0.870
temperature_110	1	110647.432	309.188	84910401.446	0.871	0.870
tvoc_104	1	110647.461	42.770	84910667.864	0.871	0.870

+ temperature_102

Step 44 : AIC = 110602.9

```
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weather_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + temperature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_107 + temperature_108 + humidity_102 + temperature_102
```

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
humidity_104	1	110579.418	232590.617	84269515.112	0.872	0.871
co2_105	1	110585.529	176844.707	84325261.021	0.872	0.871
co2_106	1	110586.052	172074.009	84330031.719	0.872	0.871
co2_102	1	110593.367	105295.595	84396810.134	0.872	0.871
sound_107	1	110596.031	80965.088	84421140.640	0.872	0.871
light_108	1	110596.935	72700.806	84429404.922	0.872	0.871
sound_102	1	110597.836	64475.232	84437630.496	0.872	0.871
light_105	1	110598.290	60318.189	84441787.539	0.872	0.871
temperature_110	1	110598.410	59226.922	84442878.806	0.872	0.871
humidity_100	1	110599.085	53058.285	84449047.443	0.872	0.871
sound_111	1	110599.252	51530.781	84450574.947	0.872	0.871
co2_107	1	110599.621	48161.712	84453944.016	0.872	0.871
tvoc_111	1	110599.747	47006.087	84455099.641	0.872	0.871
tvoc_103	1	110600.136	43454.035	84458651.693	0.872	0.871
tvoc_108	1	110600.355	41453.686	84460652.042	0.872	0.871
tvoc_106	1	110601.911	27229.265	84474876.463	0.872	0.871
co2_112	1	110601.951	26857.907	84475247.821	0.872	0.871
co2_111	1	110602.499	21851.802	84480253.926	0.872	0.871
tvoc_107	1	110603.062	16707.557	84485398.171	0.872	0.871
sound_112	1	110603.223	15231.156	84486874.573	0.872	0.871
sound_108	1	110603.756	10360.726	84491745.002	0.872	0.871
sound_105	1	110603.881	9221.789	84492883.939	0.872	0.871
humidity_101	1	110604.122	7013.578	84495092.150	0.872	0.871
sound_100	1	110604.143	6820.756	84495284.972	0.872	0.871
tvoc_101	1	110604.169	6581.660	84495524.068	0.872	0.871
temperature_100	1	110604.719	1554.058	84500551.670	0.872	0.871
sound_106	1	110604.814	691.011	84501414.717	0.872	0.871
humidity_103	1	110604.835	492.151	84501613.577	0.872	0.871
tvoc_104	1	110604.867	200.540	84501905.189	0.872	0.871
temperature_103	1	110604.884	45.693	84502060.035	0.872	0.871

+ humidity_104

Step 45 : AIC = 110579.4

```
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weather_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + temperature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_107 + temperature_108 + humidity_102 + temperature_102 + humidity_104
```

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
co2_106	1	110564.836	151078.670	84118436.442	0.872	0.872
co2_102	1	110565.540	144671.834	84124843.278	0.872	0.872
co2_105	1	110571.105	93997.899	84175517.213	0.872	0.871
sound_107	1	110572.358	82577.874	84186937.237	0.872	0.871
sound_102	1	110572.919	77472.848	84192042.264	0.872	0.871
humidity_100	1	110572.995	76780.777	84192734.335	0.872	0.871
light_105	1	110573.394	73145.516	84196369.596	0.872	0.871
light_108	1	110573.516	72033.878	84197481.233	0.872	0.871
temperature_110	1	110575.466	54262.979	84215252.132	0.872	0.871
sound_111	1	110575.729	51863.467	84217651.644	0.872	0.871
co2_107	1	110576.676	43235.951	84226279.161	0.872	0.871
tvoc_111	1	110576.746	42594.130	84226920.982	0.872	0.871
tvoc_103	1	110577.093	39435.757	84230079.355	0.872	0.871
tvoc_108	1	110577.313	37431.381	84232083.731	0.872	0.871
tvoc_106	1	110577.878	32277.679	84237237.433	0.872	0.871

co2_112	1	110578.556	26093.789	84243421.322	0.872	0.871
tvoc_107	1	110579.042	21670.296	84247844.815	0.872	0.871
co2_111	1	110579.372	18658.412	84250856.700	0.872	0.871
sound_108	1	110579.894	13896.531	84255618.580	0.872	0.871
sound_112	1	110580.039	12572.768	84256942.343	0.872	0.871
tvoc_101	1	110580.305	10147.983	84259367.128	0.872	0.871
sound_105	1	110580.568	7756.264	84261758.847	0.872	0.871
sound_100	1	110580.607	7394.584	84262120.528	0.872	0.871
humidity_101	1	110580.632	7172.212	84262342.899	0.872	0.871
tvoc_104	1	110581.353	594.275	84268920.837	0.872	0.871
humidity_103	1	110581.406	112.573	84269402.539	0.872	0.871
sound_106	1	110581.406	109.296	84269405.816	0.872	0.871
temperature_103	1	110581.407	104.350	84269410.761	0.872	0.871
temperature_100	1	110581.410	78.251	84269436.861	0.872	0.871

+ co2_106

Step 46 : AIC = 110564.8

```
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weather_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + temperature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_107 + temperature_108 + humidity_102 + temperature_102 + humidity_104 + co2_106
```

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
co2_102	1	110553.739	119133.417	83999303.025	0.872	0.872
humidity_100	1	110555.948	99056.591	84019379.851	0.872	0.872
sound_107	1	110556.893	90457.723	84027978.719	0.872	0.872
sound_102	1	110558.266	77973.735	84040462.707	0.872	0.872
light_108	1	110558.878	72411.088	84046025.353	0.872	0.872
temperature_110	1	110559.462	67093.844	84051342.597	0.872	0.872
light_105	1	110560.619	56578.216	84061858.226	0.872	0.872
co2_111	1	110561.355	49881.785	84068554.656	0.872	0.872
tvoc_106	1	110562.073	43348.100	84075088.341	0.872	0.872
sound_111	1	110562.151	42634.604	84075801.838	0.872	0.872
tvoc_108	1	110563.031	34630.350	84083806.092	0.872	0.872
tvoc_103	1	110563.053	34427.238	84084009.204	0.872	0.872
tvoc_111	1	110563.204	33055.297	84085381.145	0.872	0.872
co2_105	1	110564.345	22673.925	84095762.517	0.872	0.872
tvoc_107	1	110564.759	18902.177	84099534.265	0.872	0.872
tvoc_101	1	110565.221	14701.705	84103734.737	0.872	0.872
sound_108	1	110565.567	11552.179	84106884.263	0.872	0.872
sound_112	1	110565.568	11544.957	84106891.485	0.872	0.872
sound_105	1	110565.785	9569.105	84108867.337	0.872	0.872
co2_107	1	110566.173	6035.473	84112400.968	0.872	0.872
co2_112	1	110566.194	5844.638	84112591.804	0.872	0.872
sound_100	1	110566.239	5435.973	84113000.469	0.872	0.872
humidity_101	1	110566.628	1893.155	84116543.287	0.872	0.872
tvoc_104	1	110566.756	726.751	84117709.691	0.872	0.872
humidity_103	1	110566.760	697.557	84117738.885	0.872	0.872
temperature_103	1	110566.793	395.006	84118041.436	0.872	0.872
sound_106	1	110566.804	296.337	84118140.104	0.872	0.872
temperature_100	1	110566.832	36.837	84118399.605	0.872	0.872

+ co2_102

Step 47 : AIC = 110553.7

```
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weather_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + temperature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_107 + temperature_108 + humidity_102 + temperature_102 + humidity_104 + co2_106 + co2_102
```


Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
sound_107	1	110545.208	95671.968	83903631.057	0.873	0.872
temperature_110	1	110545.543	92626.894	83906676.131	0.873	0.872
humidity_100	1	110545.826	90059.322	83909243.703	0.873	0.872
sound_102	1	110546.757	81605.608	83917697.418	0.873	0.872
light_108	1	110547.549	74414.673	83924888.352	0.872	0.872
light_105	1	110549.240	59055.255	83940247.770	0.872	0.872
co2_111	1	110549.315	58376.426	83940926.599	0.872	0.872
tvoc_106	1	110549.679	55069.470	83944233.555	0.872	0.872
tvoc_103	1	110549.767	54268.990	83945034.035	0.872	0.872
tvoc_108	1	110550.001	52141.310	83947161.716	0.872	0.872
sound_111	1	110550.756	45286.433	83954016.592	0.872	0.872
tvoc_111	1	110551.632	37322.618	83961980.407	0.872	0.872
co2_105	1	110551.957	34368.852	83964934.173	0.872	0.872
sound_108	1	110553.781	17799.634	83981503.391	0.872	0.872
tvoc_107	1	110554.430	11903.863	83987399.162	0.872	0.872
co2_107	1	110554.541	10893.093	83988409.932	0.872	0.872
sound_112	1	110554.552	10795.159	83988507.866	0.872	0.872
co2_112	1	110554.567	10656.436	83988646.589	0.872	0.872
tvoc_101	1	110554.691	9530.669	83989772.356	0.872	0.872
sound_105	1	110555.076	6028.709	83993274.317	0.872	0.872
sound_100	1	110555.141	5436.805	83993866.220	0.872	0.872
humidity_101	1	110555.280	4177.128	83995125.897	0.872	0.872
humidity_103	1	110555.540	1809.543	83997493.483	0.872	0.872
tvoc_104	1	110555.621	1074.435	83998228.590	0.872	0.872
temperature_103	1	110555.712	247.413	83999055.612	0.872	0.872
sound_106	1	110555.717	199.117	83999103.908	0.872	0.872
temperature_100	1	110555.739	0.032	83999302.993	0.872	0.872

+ sound_107

Step 48 : AIC = 110545.2

elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad + light_104 + weather_bar + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + temperature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_107 + temperature_108 + humidity_102 + temperature_102 + humidity_104 + co2_106 + co2_102 + sound_107

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
temperature_110	1	110536.992	92705.513	83810925.544	0.873	0.872
humidity_100	1	110537.315	89773.632	83813857.425	0.873	0.872
sound_102	1	110538.057	83042.330	83820588.728	0.873	0.872
light_108	1	110539.050	74041.928	83829589.129	0.873	0.872
tvoc_106	1	110540.397	61821.868	83841809.189	0.873	0.872
light_105	1	110540.595	60025.264	83843605.793	0.873	0.872
co2_111	1	110540.636	59653.272	83843977.786	0.873	0.872
tvoc_103	1	110541.566	51208.688	83852422.369	0.873	0.872
tvoc_108	1	110541.616	50755.208	83852875.849	0.873	0.872
sound_111	1	110542.512	42628.089	83861002.968	0.873	0.872
co2_105	1	110543.152	36823.197	83866807.861	0.873	0.872
tvoc_111	1	110543.344	35076.782	83868554.275	0.873	0.872
sound_108	1	110545.186	18355.070	83885275.987	0.873	0.872
co2_107	1	110545.632	14310.156	83889320.901	0.873	0.872
sound_112	1	110545.798	12800.360	83890830.697	0.873	0.872
tvoc_107	1	110545.855	12286.735	83891344.322	0.873	0.872
tvoc_101	1	110545.976	11182.514	83892448.544	0.873	0.872
sound_105	1	110546.041	10592.612	83893038.445	0.873	0.872
co2_112	1	110546.165	9469.615	83894161.442	0.873	0.872
sound_100	1	110546.589	5617.140	83898013.917	0.873	0.872
humidity_101	1	110546.781	3880.551	83899750.506	0.873	0.872
tvoc_104	1	110546.955	2297.401	83901333.656	0.873	0.872
humidity_103	1	110547.005	1841.456	83901789.601	0.873	0.872
sound_106	1	110547.176	292.941	83903338.116	0.873	0.872
temperature_103	1	110547.194	125.572	83903505.485	0.873	0.872
temperature_100	1	110547.208	0.015	83903631.042	0.873	0.872

```
+ temperature_110
```

```
Step 49 : AIC = 110537
```

```
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weather_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + temperature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_107 + temperature_108 + humidity_102 + temperature_102 + humidity_104 + co2_106 + co2_102 + sound_107 + temperature_110
```

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
sound_102	1	110527.812	101338.673	83709586.871	0.873	0.872
humidity_100	1	110529.759	83694.210	83727231.333	0.873	0.872
light_108	1	110530.795	74308.944	83736616.599	0.873	0.872
light_105	1	110532.203	61546.493	83749379.051	0.873	0.872
tvoc_106	1	110532.263	61006.983	83749918.561	0.873	0.872
tvoc_108	1	110533.321	51416.719	83759508.825	0.873	0.872
tvoc_103	1	110533.391	50783.673	83760141.870	0.873	0.872
co2_111	1	110534.412	41527.334	83769398.210	0.873	0.872
sound_111	1	110534.697	38948.854	83771976.689	0.873	0.872
tvoc_111	1	110535.506	31611.570	83779313.974	0.873	0.872
co2_105	1	110535.678	30048.116	83780877.427	0.873	0.872
sound_108	1	110536.481	22771.116	83788154.427	0.873	0.872
tvoc_107	1	110537.278	15546.304	83795379.240	0.873	0.872
humidity_101	1	110537.556	13026.951	83797898.593	0.873	0.872
sound_112	1	110537.816	10665.745	83800259.799	0.873	0.872
sound_105	1	110537.851	10346.773	83800578.771	0.873	0.872
co2_112	1	110537.865	10220.529	83800705.015	0.873	0.872
tvoc_101	1	110537.985	9135.085	83801790.459	0.873	0.872
sound_100	1	110538.480	4641.806	83806283.738	0.873	0.872
co2_107	1	110538.502	4443.684	83806481.860	0.873	0.872
tvoc_104	1	110538.787	1861.033	83809064.511	0.873	0.872
temperature_100	1	110538.968	222.101	83810703.443	0.873	0.872
sound_106	1	110538.972	182.490	83810743.054	0.873	0.872
temperature_103	1	110538.975	153.143	83810772.400	0.873	0.872
humidity_103	1	110538.991	13.392	83810912.151	0.873	0.872

```
+ sound_102
```

```
Step 50 : AIC = 110527.8
```

```
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weather_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + temperature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_107 + temperature_108 + humidity_102 + temperature_102 + humidity_104 + co2_106 + co2_102 + sound_107 + temperature_110 + sound_102
```

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
humidity_100	1	110520.727	82255.120	83627331.750	0.873	0.872
light_105	1	110521.508	75188.576	83634398.295	0.873	0.872
light_108	1	110521.819	72372.904	83637213.966	0.873	0.872
tvoc_106	1	110522.989	61782.656	83647804.215	0.873	0.872
tvoc_103	1	110523.791	54521.025	83655065.846	0.873	0.872
tvoc_108	1	110524.132	51437.830	83658149.041	0.873	0.872
co2_111	1	110525.416	39806.715	83669780.155	0.873	0.872
sound_111	1	110525.599	38149.561	83671437.310	0.873	0.872
tvoc_111	1	110526.631	28803.037	83680783.834	0.873	0.872
co2_105	1	110526.733	27881.251	83681705.619	0.873	0.872
sound_108	1	110527.300	22752.842	83686834.028	0.873	0.872
humidity_101	1	110527.720	18941.748	83690645.123	0.873	0.872
tvoc_107	1	110528.237	14265.195	83695321.676	0.873	0.872
sound_112	1	110528.543	11488.986	83698097.885	0.873	0.872

```

sound_105      1      110528.619      10798.557      83698788.314      0.873      0.872
tvoc_101       1      110528.717      9918.549      83699668.322      0.873      0.872
co2_112        1      110528.795      9212.071      83700374.799      0.873      0.872
sound_100      1      110529.336      4306.224      83705280.646      0.873      0.872
co2_107        1      110529.429      3464.553      83706122.317      0.873      0.872
tvoc_104       1      110529.472      3077.244      83706509.627      0.873      0.872
temperature_103 1      110529.711      908.078      83708678.793      0.873      0.872
temperature_100 1      110529.760      465.677      83709121.193      0.873      0.872
humidity_103    1      110529.763      438.321      83709148.550      0.873      0.872
sound_106       1      110529.779      296.653      83709290.217      0.873      0.872

```

```
+ humidity_100
```

```

Step 51 : AIC = 110520.7
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tv
oc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + h
umidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weath
er_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_10
2 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + tem
perature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_1
07 + temperature_108 + humidity_102 + temperature_102 + humidity_104 + co2_106 + co2_102 + sou
nd_107 + temperature_110 + sound_102 + humidity_100

```

```

-----
Variable      DF      AIC      Sum Sq      RSS      R-Sq      Adj. R-Sq
-----
temperature_100 1      110496.907      233328.366      83394003.385      0.873      0.873
light_108       1      110514.758      72087.540      83555244.210      0.873      0.872
light_105       1      110515.318      67022.920      83560308.831      0.873      0.872
tvoc_106        1      110516.034      60546.982      83566784.768      0.873      0.872
tvoc_108        1      110517.000      51813.247      83575518.504      0.873      0.872
humidity_101    1      110517.774      44804.023      83582527.727      0.873      0.872
tvoc_103        1      110517.900      43670.970      83583660.781      0.873      0.872
sound_111       1      110518.178      41151.622      83586180.129      0.873      0.872
co2_111         1      110518.338      39704.768      83587626.982      0.873      0.872
sound_108       1      110518.510      38153.829      83589177.922      0.873      0.872
co2_105         1      110518.849      35086.080      83592245.671      0.873      0.872
tvoc_111        1      110519.414      29974.607      83597357.144      0.873      0.872
tvoc_107        1      110521.447      11578.691      83615753.060      0.873      0.872
sound_105       1      110521.489      11196.564      83616135.187      0.873      0.872
sound_112       1      110521.504      11064.984      83616266.767      0.873      0.872
co2_112         1      110521.856      7878.752      83619452.999      0.873      0.872
tvoc_101        1      110521.930      7211.036      83620120.715      0.873      0.872
sound_100       1      110522.179      4960.759      83622370.991      0.873      0.872
tvoc_104        1      110522.195      4810.958      83622520.792      0.873      0.872
co2_107         1      110522.432      2667.125      83624664.626      0.873      0.872
humidity_103    1      110522.446      2544.085      83624787.666      0.873      0.872
sound_106       1      110522.714      117.317      83627214.433      0.873      0.872
temperature_103 1      110522.719      74.023      83627257.727      0.873      0.872

```

```
+ temperature_100
```

```

Step 52 : AIC = 110496.9
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tv
oc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + h
umidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weath
er_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_10
2 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + tem
perature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_1
07 + temperature_108 + humidity_102 + temperature_102 + humidity_104 + co2_106 + co2_102 + sou
nd_107 + temperature_110 + sound_102 + humidity_100 + temperature_100

```

```

-----
Variable      DF      AIC      Sum Sq      RSS      R-Sq      Adj. R-Sq
-----
humidity_101    1      110466.319      293569.828      83100433.556      0.874      0.873
light_105       1      110491.233      69224.956      83324778.429      0.873      0.873
light_108       1      110491.358      68101.137      83325902.247      0.873      0.873
tvoc_106        1      110491.586      66044.771      83327958.614      0.873      0.873
tvoc_108        1      110492.996      53331.985      83340671.399      0.873      0.873

```

sound_111	1	110493.840	45719.020	83348284.365	0.873	0.873
co2_112	1	110494.544	39365.928	83354637.457	0.873	0.873
tvoc_103	1	110494.860	36516.157	83357487.228	0.873	0.873
co2_105	1	110495.260	32906.529	83361096.856	0.873	0.873
tvoc_111	1	110495.629	29579.986	83364423.399	0.873	0.873
sound_108	1	110496.151	24873.701	83369129.684	0.873	0.873
sound_105	1	110497.775	10218.299	83383785.086	0.873	0.873
tvoc_107	1	110497.776	10210.024	83383793.360	0.873	0.873
sound_112	1	110497.995	8235.966	83385767.419	0.873	0.873
co2_111	1	110498.152	6816.358	83387187.027	0.873	0.873
sound_100	1	110498.186	6513.413	83387489.971	0.873	0.873
tvoc_101	1	110498.401	4568.067	83389435.318	0.873	0.873
tvoc_104	1	110498.624	2555.326	83391448.059	0.873	0.873
temperature_103	1	110498.660	2233.687	83391769.698	0.873	0.873
co2_107	1	110498.768	1256.168	83392747.217	0.873	0.873
humidity_103	1	110498.805	923.273	83393080.112	0.873	0.873
sound_106	1	110498.907	6.634	83393996.750	0.873	0.873

+ humidity_101

Step 53 : AIC = 110466.3
 elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weather_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + temperature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_107 + temperature_108 + humidity_102 + temperature_102 + humidity_104 + co2_106 + co2_102 + sound_107 + temperature_110 + sound_102 + humidity_100 + temperature_100 + humidity_101

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
light_108	1	110460.471	70541.426	83029892.130	0.874	0.873
light_105	1	110461.803	58578.752	83041854.804	0.874	0.873
tvoc_108	1	110462.503	52285.849	83048147.707	0.874	0.873
co2_105	1	110462.580	51595.085	83048838.471	0.874	0.873
tvoc_106	1	110462.684	50663.483	83049770.074	0.874	0.873
sound_111	1	110462.969	48101.503	83052332.053	0.874	0.873
co2_112	1	110464.370	35503.134	83064930.422	0.874	0.873
sound_108	1	110464.594	33495.815	83066937.741	0.874	0.873
tvoc_111	1	110465.064	29270.938	83071162.618	0.874	0.873
tvoc_103	1	110466.154	19467.674	83080965.882	0.874	0.873
co2_111	1	110466.654	14971.892	83085461.664	0.874	0.873
tvoc_107	1	110466.671	14819.182	83085614.374	0.874	0.873
humidity_103	1	110467.042	11486.306	83088947.250	0.874	0.873
sound_105	1	110467.148	10530.294	83089903.262	0.874	0.873
sound_112	1	110467.449	7823.600	83092609.956	0.874	0.873
sound_100	1	110467.698	5587.226	83094846.330	0.874	0.873
tvoc_101	1	110467.814	4542.067	83095891.489	0.874	0.873
co2_107	1	110467.859	4140.106	83096293.451	0.874	0.873
temperature_103	1	110468.151	1514.247	83098919.309	0.874	0.873
tvoc_104	1	110468.272	424.921	83100008.635	0.874	0.873
sound_106	1	110468.317	16.544	83100417.012	0.874	0.873

+ light_108

Step 54 : AIC = 110460.5
 elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weather_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + temperature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_107 + temperature_108 + humidity_102 + temperature_102 + humidity_104 + co2_106 + co2_102 + sound_107 + temperature_110 + sound_102 + humidity_100 + temperature_100 + humidity_101 + light_108

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
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```
-----
light_105      1      110455.971      58381.960      82971510.170      0.874      0.873
tvoc_108      1      110456.530      53368.471      82976523.659      0.874      0.873
co2_105      1      110456.691      51924.332      82977967.798      0.874      0.873
tvoc_106      1      110456.754      51353.479      82978538.651      0.874      0.873
sound_111     1      110457.141      47877.741      82982014.389      0.874      0.873
co2_112      1      110458.534      35371.532      82994520.598      0.874      0.873
sound_108     1      110458.802      32965.646      82996926.484      0.874      0.873
tvoc_111     1      110459.262      28832.270      83001059.860      0.874      0.873
tvoc_103     1      110460.347      19086.296      83010805.834      0.874      0.873
tvoc_107     1      110460.800      15018.374      83014873.756      0.874      0.873
co2_111     1      110460.854      14529.165      83015362.965      0.874      0.873
humidity_103  1      110461.253      10951.076      83018941.054      0.874      0.873
sound_105     1      110461.267      10822.564      83019069.566      0.874      0.873
sound_112     1      110461.593       7892.481      83021999.649      0.874      0.873
sound_100     1      110461.872       5382.899      83024509.231      0.874      0.873
tvoc_101     1      110461.981       4409.454      83025482.676      0.874      0.873
co2_107     1      110462.059       3705.108      83026187.022      0.874      0.873
temperature_103 1      110462.324       1322.352      83028569.778      0.874      0.873
tvoc_104     1      110462.426        404.386      83029487.744      0.874      0.873
sound_106     1      110462.470         13.423      83029878.707      0.874      0.873
-----
```

```
+ light_105
```

```
Step 55 : AIC = 110456
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weather_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + temperature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_107 + temperature_108 + humidity_102 + temperature_102 + humidity_104 + co2_106 + co2_102 + sound_107 + temperature_110 + sound_102 + humidity_100 + temperature_100 + humidity_101 + light_108 + light_105
```

```
-----
Variable      DF      AIC      Sum Sq      RSS      R-Sq      Adj. R-Sq
-----
tvoc_106      1      110451.743      55902.326      82915607.844      0.874      0.873
tvoc_108      1      110451.869      54769.527      82916740.643      0.874      0.873
sound_111     1      110452.494      49160.662      82922349.508      0.874      0.873
co2_105      1      110452.577      48422.634      82923087.536      0.874      0.873
co2_112      1      110453.756      37840.259      82933669.911      0.874      0.873
tvoc_111     1      110454.715      29237.007      82942273.163      0.874      0.873
sound_108     1      110455.163      25207.477      82946302.694      0.874      0.873
tvoc_103     1      110455.477      22396.018      82949114.152      0.874      0.873
tvoc_107     1      110456.178      16100.446      82955409.724      0.874      0.873
co2_111     1      110456.638      11974.567      82959535.604      0.874      0.873
sound_105     1      110456.854      10035.835      82961474.336      0.874      0.873
humidity_103  1      110456.978       8919.123      82962591.047      0.874      0.873
sound_112     1      110457.007       8659.843      82962850.327      0.874      0.873
tvoc_101     1      110457.309       5949.760      82965560.410      0.874      0.873
sound_100     1      110457.309       5946.985      82965563.185      0.874      0.873
co2_107     1      110457.566       3636.204      82967873.966      0.874      0.873
temperature_103 1      110457.917        490.218      82971019.952      0.874      0.873
tvoc_104     1      110457.940        281.311      82971228.859      0.874      0.873
sound_106     1      110457.971         0.027      82971510.144      0.874      0.873
-----
```

```
+ tvoc_106
```

```
Step 56 : AIC = 110451.7
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weather_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + temperature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_107 + temperature_108 + humidity_102 + temperature_102 + humidity_104 + co2_106 + co2_102 + sound_107 + temperature_110 + sound_102 + humidity_100 + temperature_100 + humidity_101 + light_108 + light_105 + tvoc_106
```

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
co2_105	1	110448.084	50757.453	82864850.391	0.874	0.873
sound_111	1	110448.205	49673.402	82865934.442	0.874	0.873
tvoc_107	1	110448.211	49624.829	82865983.015	0.874	0.873
tvoc_108	1	110449.926	34241.097	82881366.747	0.874	0.873
co2_112	1	110450.308	30815.852	82884791.992	0.874	0.873
sound_108	1	110450.804	26363.641	82889244.202	0.874	0.873
tvoc_111	1	110451.212	22705.913	82892901.931	0.874	0.873
co2_111	1	110451.689	18430.191	82897177.652	0.874	0.873
tvoc_103	1	110452.029	15383.006	82900224.837	0.874	0.873
sound_105	1	110452.615	10120.250	82905487.594	0.874	0.873
humidity_103	1	110452.715	9226.185	82906381.659	0.874	0.873
co2_107	1	110452.960	7024.620	82908583.224	0.874	0.873
tvoc_101	1	110453.010	6573.646	82909034.198	0.874	0.873
sound_112	1	110453.047	6244.818	82909363.026	0.874	0.873
sound_100	1	110453.212	4766.423	82910841.421	0.874	0.873
tvoc_104	1	110453.452	2610.958	82912996.885	0.874	0.873
temperature_103	1	110453.668	675.363	82914932.481	0.874	0.873
sound_106	1	110453.742	6.031	82915601.813	0.874	0.873

+ co2_105

```

Step 57 : AIC = 110448.1
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tv
oc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + h
umidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weath
er_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_10
2 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + tem
perature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_1
07 + temperature_108 + humidity_102 + temperature_102 + humidity_104 + co2_106 + co2_102 + sou
nd_107 + temperature_110 + sound_102 + humidity_100 + temperature_100 + humidity_101 + light_1
08 + light_105 + tvoc_106 + co2_105

```

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
sound_111	1	110444.633	48869.752	82815980.639	0.874	0.873
tvoc_107	1	110444.880	46653.375	82818197.015	0.874	0.873
tvoc_108	1	110446.176	35041.949	82829808.442	0.874	0.873
sound_108	1	110447.089	26859.796	82837990.594	0.874	0.873
co2_112	1	110447.370	24341.576	82840508.815	0.874	0.873
tvoc_103	1	110447.695	21427.053	82843423.338	0.874	0.873
tvoc_111	1	110447.832	20195.084	82844655.307	0.874	0.873
co2_111	1	110448.136	17473.619	82847376.772	0.874	0.873
sound_105	1	110448.697	12442.387	82852408.004	0.874	0.873
humidity_103	1	110448.758	11897.572	82852952.818	0.874	0.873
co2_107	1	110448.976	9943.376	82854907.015	0.874	0.873
sound_112	1	110449.353	6556.516	82858293.874	0.874	0.873
sound_100	1	110449.556	4735.340	82860115.051	0.874	0.873
tvoc_101	1	110449.562	4688.715	82860161.675	0.874	0.873
tvoc_104	1	110449.899	1666.846	82863183.545	0.874	0.873
temperature_103	1	110449.916	1514.566	82863335.825	0.874	0.873
sound_106	1	110450.084	0.127	82864850.264	0.874	0.873

+ sound_111

```

Step 58 : AIC = 110444.6
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tv
oc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + h
umidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weath
er_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_10
2 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + tem
perature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_1
07 + temperature_108 + humidity_102 + temperature_102 + humidity_104 + co2_106 + co2_102 + sou
nd_107 + temperature_110 + sound_102 + humidity_100 + temperature_100 + humidity_101 + light_1
08 + light_105 + tvoc_106 + co2_105 + sound_111

```

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
tvoc_107	1	110440.981	50636.541	82765344.097	0.874	0.873
tvoc_108	1	110442.587	36247.723	82779732.915	0.874	0.873
sound_108	1	110443.688	26387.443	82789593.196	0.874	0.873
co2_112	1	110443.962	23931.250	82792049.388	0.874	0.873
tvoc_103	1	110444.241	21433.275	82794547.364	0.874	0.873
tvoc_111	1	110444.392	20077.789	82795902.849	0.874	0.873
co2_111	1	110444.760	16784.224	82799196.415	0.874	0.873
humidity_103	1	110445.154	13255.701	82802724.938	0.874	0.873
sound_105	1	110445.458	10532.882	82805447.757	0.874	0.873
co2_107	1	110445.680	8540.105	82807440.533	0.874	0.873
sound_112	1	110445.744	7969.299	82808011.340	0.874	0.873
tvoc_101	1	110446.075	5003.343	82810977.295	0.874	0.873
sound_100	1	110446.135	4458.381	82811522.258	0.874	0.873
temperature_103	1	110446.407	2024.745	82813955.894	0.874	0.873
tvoc_104	1	110446.499	1204.084	82814776.554	0.874	0.873
sound_106	1	110446.630	29.321	82815951.318	0.874	0.873

+ tvoc_107

Step 59 : AIC = 110441

elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad + light_104 + weather_bar + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + temperature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_107 + temperature_108 + humidity_102 + temperature_102 + humidity_104 + co2_106 + co2_102 + sound_107 + temperature_110 + sound_102 + humidity_100 + temperature_100 + humidity_101 + light_108 + light_105 + tvoc_106 + co2_105 + sound_111 + tvoc_107

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
tvoc_108	1	110437.053	53080.209	82712263.889	0.874	0.874
tvoc_111	1	110438.111	43604.960	82721739.138	0.874	0.873
co2_112	1	110439.390	32152.520	82733191.578	0.874	0.873
sound_108	1	110439.845	28077.993	82737266.104	0.874	0.873
tvoc_103	1	110440.860	18993.462	82746350.635	0.874	0.873
co2_111	1	110441.242	15575.001	82749769.096	0.874	0.873
humidity_103	1	110441.429	13896.458	82751447.639	0.874	0.873
co2_107	1	110441.637	12039.973	82753304.124	0.874	0.873
sound_105	1	110441.760	10931.149	82754412.948	0.874	0.873
sound_112	1	110442.121	7702.388	82757641.709	0.874	0.873
sound_100	1	110442.416	5060.722	82760283.375	0.874	0.873
temperature_103	1	110442.762	1959.095	82763385.002	0.874	0.873
tvoc_104	1	110442.955	236.590	82765107.507	0.874	0.873
sound_106	1	110442.975	55.994	82765288.103	0.874	0.873
tvoc_101	1	110442.980	6.503	82765337.595	0.874	0.873

+ tvoc_108

Step 60 : AIC = 110437.1

elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad + light_104 + weather_bar + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + temperature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_107 + temperature_108 + humidity_102 + temperature_102 + humidity_104 + co2_106 + co2_102 + sound_107 + temperature_110 + sound_102 + humidity_100 + temperature_100 + humidity_101 + light_108 + light_105 + tvoc_106 + co2_105 + sound_111 + tvoc_107 + tvoc_108

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
sound_108	1	110435.744	29605.164	82682658.724	0.874	0.874
tvoc_111	1	110435.803	29081.341	82683182.547	0.874	0.874

```

co2_112      1      110435.854      28621.991      82683641.898      0.874      0.874
co2_111      1      110436.986      18495.895      82693767.994      0.874      0.874
co2_107      1      110437.283      15832.700      82696431.189      0.874      0.874
humidity_103 1      110437.285      15820.287      82696443.601      0.874      0.874
sound_105    1      110437.677      12312.234      82699951.655      0.874      0.874
tvoc_103     1      110437.730      11837.368      82700426.521      0.874      0.874
sound_112    1      110438.225       7408.176      82704855.713      0.874      0.874
sound_100    1      110438.383       5991.971      82706271.917      0.874      0.874
tvoc_101     1      110438.522       4751.515      82707512.374      0.874      0.874
temperature_103 1      110438.733       2862.033      82709401.855      0.874      0.874
tvoc_104     1      110438.957        856.154      82711407.735      0.874      0.873
sound_106    1      110439.047         46.100      82712217.789      0.874      0.873
-----

```

```
+ sound_108
```

```

Step 61 : AIC = 110435.7
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tv
oc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + h
umidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weath
er_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_10
2 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + tem
perature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_1
07 + temperature_108 + humidity_102 + temperature_102 + humidity_104 + co2_106 + co2_102 + sou
nd_107 + temperature_110 + sound_102 + humidity_100 + temperature_100 + humidity_101 + light_1
08 + light_105 + tvoc_106 + co2_105 + sound_111 + tvoc_107 + tvoc_108 + sound_108

```

```

-----
Variable      DF      AIC      Sum Sq      RSS      R-Sq      Adj. R-Sq
-----
tvoc_111      1      110434.714      27105.777      82655552.947      0.874      0.874
co2_112      1      110434.787      26452.395      82656206.329      0.874      0.874
co2_107      1      110436.085      14847.684      82667811.041      0.874      0.874
tvoc_103     1      110436.256      13315.822      82669342.902      0.874      0.874
co2_111      1      110436.377      12233.844      82670424.881      0.874      0.874
sound_105    1      110436.454      11542.564      82671116.160      0.874      0.874
humidity_103 1      110436.662       9683.217      82672975.507      0.874      0.874
sound_112    1      110436.919       7381.827      82675276.897      0.874      0.874
tvoc_101     1      110436.992       6733.559      82675925.165      0.874      0.874
sound_100    1      110437.116       5625.021      82677033.703      0.874      0.874
tvoc_104     1      110437.641       928.067      82681730.657      0.874      0.874
temperature_103 1      110437.727       152.744      82682505.980      0.874      0.874
sound_106    1      110437.730       130.200      82682528.524      0.874      0.874
-----

```

```
+ tvoc_111
```

```

Step 62 : AIC = 110434.7
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tv
oc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + h
umidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weath
er_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_10
2 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + tem
perature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_1
07 + temperature_108 + humidity_102 + temperature_102 + humidity_104 + co2_106 + co2_102 + sou
nd_107 + temperature_110 + sound_102 + humidity_100 + temperature_100 + humidity_101 + light_1
08 + light_105 + tvoc_106 + co2_105 + sound_111 + tvoc_107 + tvoc_108 + sound_108 + tvoc_111

```

```

-----
Variable      DF      AIC      Sum Sq      RSS      R-Sq      Adj. R-Sq
-----
co2_112      1      110433.713      26838.090      82628714.857      0.874      0.874
tvoc_103     1      110435.146      14023.877      82641529.071      0.874      0.874
co2_107      1      110435.176      13762.078      82641790.870      0.874      0.874
tvoc_101     1      110435.552      10393.993      82645158.954      0.874      0.874
sound_105    1      110435.605       9919.926      82645633.021      0.874      0.874
humidity_103 1      110435.633       9673.488      82645879.459      0.874      0.874
co2_111      1      110435.668       9362.330      82646190.617      0.874      0.874
sound_100    1      110435.946       6870.242      82648682.706      0.874      0.874
sound_112    1      110435.962       6727.390      82648825.557      0.874      0.874
sound_106    1      110436.700       131.525      82655421.422      0.874      0.874
temperature_103 1      110436.700       125.439      82655427.508      0.874      0.874

```



```
tvoc_104          1      110436.711      33.731      82655519.217      0.874      0.874
-----
```

```
+ co2_112
```

```
Step 63 : AIC = 110433.7
```

```
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weather_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + temperature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_107 + temperature_108 + humidity_102 + temperature_102 + humidity_104 + co2_106 + co2_102 + sound_107 + temperature_110 + sound_102 + humidity_100 + temperature_100 + humidity_101 + light_108 + light_105 + tvoc_106 + co2_105 + sound_111 + tvoc_107 + tvoc_108 + sound_108 + tvoc_111 + co2_112
```

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
co2_111	1	110427.730	71350.441	82557364.416	0.875	0.874
co2_107	1	110433.702	17983.607	82610731.250	0.874	0.874
tvoc_103	1	110434.135	14106.993	82614607.864	0.874	0.874
sound_105	1	110434.596	9987.883	82618726.974	0.874	0.874
tvoc_101	1	110434.675	9284.096	82619430.761	0.874	0.874
humidity_103	1	110434.832	7880.755	82620834.102	0.874	0.874
sound_112	1	110434.849	7729.643	82620985.214	0.874	0.874
sound_100	1	110435.074	5717.582	82622997.275	0.874	0.874
sound_106	1	110435.678	313.206	82628401.651	0.874	0.874
tvoc_104	1	110435.712	7.441	82628707.416	0.874	0.874
temperature_103	1	110435.713	0.218	82628714.639	0.874	0.874

```
+ co2_111
```

```
Step 64 : AIC = 110427.7
```

```
elec_general_219_w ~ co2_108 + light_106 + light_107 + temperature_105 + temperature_104 + tvoc_105 + windows + weather_out + co2_101 + humidity_110 + co2_110 + co2_100 + humidity_105 + humidity_108 + co2_104 + light_103 + sound_101 + weather_hum + weather_rad_ + light_104 + weather_bar_ + light_100 + humidity_112 + humidity_111 + light_111 + light_101 + tvoc_100 + tvoc_102 + tvoc_112 + co2_103 + light_112 + temperature_106 + temperature_112 + temperature_111 + temperature_107 + temperature_101 + sound_104 + light_102 + sound_103 + humidity_106 + humidity_107 + temperature_108 + humidity_102 + temperature_102 + humidity_104 + co2_106 + co2_102 + sound_107 + temperature_110 + sound_102 + humidity_100 + temperature_100 + humidity_101 + light_108 + light_105 + tvoc_106 + co2_105 + sound_111 + tvoc_107 + tvoc_108 + sound_108 + tvoc_111 + co2_112 + co2_111
```

Variable	DF	AIC	Sum Sq	RSS	R-Sq	Adj. R-Sq
tvoc_103	1	110427.769	17515.504	82539848.912	0.875	0.874
tvoc_101	1	110428.712	9095.605	82548268.811	0.875	0.874
humidity_103	1	110428.736	8878.073	82548486.343	0.875	0.874
sound_105	1	110428.929	7158.340	82550206.076	0.875	0.874
sound_112	1	110428.972	6771.198	82550593.218	0.875	0.874
co2_107	1	110429.015	6386.775	82550977.641	0.875	0.874
sound_100	1	110429.039	6171.686	82551192.731	0.875	0.874
sound_106	1	110429.674	497.761	82556866.655	0.875	0.874
temperature_103	1	110429.727	29.703	82557334.713	0.875	0.874
tvoc_104	1	110429.730	0.011	82557364.405	0.875	0.874

```
No more variables to be added.
```

```
Variables Entered:
```

```
+ co2_108
+ light_106
+ light_107
+ temperature_105
+ temperature_104
```

```

+ tvoc_105
+ windows
+ weather_out
+ co2_101
+ humidity_110
+ co2_110
+ co2_100
+ humidity_105
+ humidity_108
+ co2_104
+ light_103
+ sound_101
+ weather_hum
+ weather_rad_
+ light_104
+ weather_bar_
+ light_100
+ humidity_112
+ humidity_111
+ light_111
+ light_101
+ tvoc_100
+ tvoc_102
+ tvoc_112
+ co2_103
+ light_112
+ temperature_106
+ temperature_112
+ temperature_111
+ temperature_107
+ temperature_101
+ sound_104
+ light_102
+ sound_103
+ humidity_106
+ humidity_107
+ temperature_108
+ humidity_102
+ temperature_102
+ humidity_104
+ co2_106
+ co2_102
+ sound_107
+ temperature_110
+ sound_102
+ humidity_100
+ temperature_100
+ humidity_101
+ light_108
+ light_105
+ tvoc_106
+ co2_105
+ sound_111
+ tvoc_107
+ tvoc_108
+ sound_108
+ tvoc_111
+ co2_112
+ co2_111

```

Final Model Output

Model Summary			
R	0.935	RMSE	94.853
R-Squared	0.875	Coef. Var	22.853
Adj. R-Squared	0.874	MSE	8997.097
Pred R-Squared	0.579	MAE	57.033
RMSE: Root Mean Square Error			
MSE: Mean Square Error			
MAE: Mean Absolute Error			

ANOVA

	Sum of Squares	DF	Mean Square	F	Sig.
Regression	575621299.347	64	8994082.802	999.665	0.0000
Residual	82557364.416	9176	8997.097		
Total	658178663.763	9240			

Parameter Estimates

model upper	Beta	Std. Error	Std. Beta	t	Sig	lower
(Intercept)	-12998.573	2142.776		-6.066	0.000	-17198.890
co2_108	-0.044	0.054	-0.047	-0.813	0.416	-0.150
light_106	3.068	0.070	1.941	44.034	0.000	2.931
light_107	-2.081	0.074	-1.617	-28.273	0.000	-2.225
temperature_105	102.667	8.827	0.446	11.631	0.000	85.363
temperature_104	-52.835	8.293	-0.249	-6.371	0.000	-69.091
tvoc_105	-0.011	0.001	-0.059	-9.486	0.000	-0.014
windows	48.064	2.894	0.102	16.609	0.000	42.391
weather_out	-7.277	0.659	-0.143	-11.035	0.000	-8.570
co2_101	0.273	0.052	0.282	5.291	0.000	0.172
humidity_110	2.166	0.562	0.116	3.856	0.000	1.065
co2_110	-0.127	0.011	-0.158	-11.431	0.000	-0.148
co2_100	-0.210	0.066	-0.218	-3.196	0.001	-0.339
humidity_105	-55.153	4.735	-1.120	-11.648	0.000	-64.435
humidity_108	30.742	3.741	0.614	8.218	0.000	23.409
co2_104	0.306	0.068	0.339	4.498	0.000	0.173
light_103	-0.330	0.029	-0.349	-11.518	0.000	-0.386
sound_101	-0.082	0.025	-0.047	-3.231	0.001	-0.132
weather_hum	-1.231	0.202	-0.083	-6.088	0.000	-1.628
weather_rad_	-0.060	0.010	-0.052	-5.824	0.000	-0.080
light_104	0.458	0.079	0.355	5.804	0.000	0.303
weather_bar_	0.711	0.153	0.023	4.642	0.000	0.411
light_100	0.077	0.008	0.078	9.931	0.000	0.062
humidity_112	63.457	4.205	1.278	15.091	0.000	55.215
humidity_111	-30.438	5.025	-0.604	-6.057	0.000	-40.289
light_111	0.440	0.070	0.245	6.268	0.000	0.303
light_101	-0.348	0.069	-0.329	-5.072	0.000	-0.483
tvoc_100	0.020	0.004	0.051	4.751	0.000	0.012

0.028						
tvoc_102	-0.070	0.007	-0.170	-9.687	0.000	-0.084
-0.056						
tvoc_112	0.034	0.006	0.090	6.002	0.000	0.023
0.045						
co2_103	0.072	0.034	0.077	2.138	0.033	0.006
0.137						
light_112	0.052	0.051	0.041	1.025	0.306	-0.048
0.152						
temperature_106	56.219	7.833	0.215	7.178	0.000	40.866
71.573						
temperature_112	-73.791	6.516	-0.238	-11.325	0.000	-86.564
-61.019						
temperature_111	133.338	13.544	0.431	9.845	0.000	106.789
159.888						
temperature_107	16.356	13.811	0.059	1.184	0.236	-10.717
43.429						
temperature_101	30.711	7.504	0.138	4.092	0.000	16.001
45.421						
sound_104	9.325	2.750	0.013	3.390	0.001	3.933
14.716						
light_102	0.306	0.097	0.273	3.152	0.002	0.116
0.497						
sound_103	-2.141	0.550	-0.015	-3.891	0.000	-3.219
-1.062						
humidity_106	-27.365	4.609	-0.543	-5.938	0.000	-36.399
-18.331						
humidity_107	48.022	5.381	0.957	8.925	0.000	37.475
58.570						
temperature_108	-26.654	7.297	-0.094	-3.653	0.000	-40.959
-12.349						
humidity_102	-24.184	2.276	-0.600	-10.624	0.000	-28.646
-19.722						
temperature_102	-49.673	5.010	-0.325	-9.915	0.000	-59.494
-39.852						
humidity_104	24.268	4.178	0.494	5.809	0.000	16.079
32.457						
co2_106	-0.166	0.066	-0.175	-2.528	0.011	-0.294
-0.037						
co2_102	0.245	0.049	0.267	4.952	0.000	0.148
0.342						
sound_107	5.947	1.812	0.012	3.282	0.001	2.395
9.498						
temperature_110	1.669	0.660	0.079	2.528	0.011	0.375
2.962						
sound_102	2.615	0.809	0.014	3.231	0.001	1.029
4.202						
humidity_100	-44.663	5.561	-0.877	-8.031	0.000	-55.564
-33.761						
temperature_100	-75.747	10.451	-0.301	-7.248	0.000	-96.234
-55.261						
humidity_101	20.797	3.506	0.428	5.933	0.000	13.926
27.669						
light_108	-0.032	0.011	-0.025	-2.802	0.005	-0.054
-0.010						
light_105	-0.400	0.156	-0.266	-2.567	0.010	-0.705
-0.094						
tvoc_106	0.009	0.003	0.032	3.014	0.003	0.003
0.016						
co2_105	-0.129	0.073	-0.147	-1.764	0.078	-0.272
0.014						
sound_111	5.778	2.387	0.009	2.421	0.015	1.099
10.456						
tvoc_107	-0.018	0.005	-0.043	-3.353	0.001	-0.028
-0.007						
tvoc_108	0.009	0.004	0.028	2.143	0.032	0.001
0.018						
sound_108	-0.942	0.951	-0.007	-0.990	0.322	-2.806
0.923						
tvoc_111	0.007	0.005	0.020	1.436	0.151	-0.003
0.018						
co2_112	-0.272	0.087	-0.285	-3.142	0.002	-0.442
-0.102						
co2_111	0.239	0.085	0.252	2.816	0.005	0.073

0.405

```
-----
> BWDfit.p<-ols_step_backward_p(model,prem=.05)
> BWDfit.p
```

Elimination Summary

Step	Variable Removed	R-Square	Adj. R-Square	C (p)	AIC	RMSE
1	sound_106	0.8747	0.8737	73.0121	110434.2305	94.8406
2	tvoc_104	0.8747	0.8737	71.1094	110432.3286	94.8359
3	co2_103	0.8747	0.8737	69.2624	110430.4829	94.8315
4	sound_112	0.8747	0.8738	67.9632	110429.1893	94.8300
5	temperature_107	0.8747	0.8738	66.8180	110428.0511	94.8292
6	light_112	0.8747	0.8738	65.6192	110426.8586	94.8282
7	sound_100	0.8747	0.8738	64.3736	110425.6189	94.8269
8	sound_105	0.8747	0.8738	63.2134	110424.4653	94.8261
9	co2_108	0.8747	0.8738	62.2845	110423.5446	94.8265
10	co2_107	0.8746	0.8738	61.2090	110422.4760	94.8261
11	tvoc_101	0.8746	0.8738	60.5998	110421.8772	94.8281
12	sound_108	0.8746	0.8737	60.3640	110421.6542	94.8320
13	tvoc_111	0.8746	0.8737	60.4512	110421.7560	94.8377
14	tvoc_103	0.8745	0.8737	60.6340	110421.9537	94.8438
15	temperature_110	0.8745	0.8737	61.9960	110423.3375	94.8560

```
-----
> modcompare<-ols_step_best_subset(model)
```