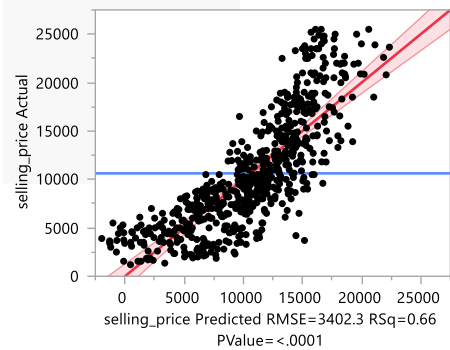


Response selling\_price  
Whole Model  
Actual by Predicted Plot



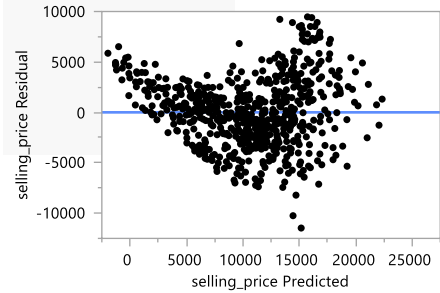
Effect Summary

Source	LogWorth	PValue
year	69.126	0.00000
engine_capacity	34.656	0.00000
vehicle_brand	14.238	0.00000
miles_driven	9.991	0.00000

Lack Of Fit

Source	DF	Sum of Squares	Mean Square	F Ratio
Lack Of Fit	625	7259156094	11614650	1.2421
Pure Error	11	102855011	9350455.6	Prob > F
Total Error	636	7362011106		0.3649
				Max RSq
				0.9953

Residual by Predicted Plot



Summary of Fit

RSquare	0.661471
RSquare Adj	0.65668
Root Mean Square Error	3402.277
Mean of Response	10627.64
Observations (or Sum Wgts)	646

## Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	9	1.4385e+10	1.5983e+9	138.0793
Error	636	7362011106	11575489	<b>Prob &gt; F</b>
C. Total	645	2.1747e+10		<.0001*

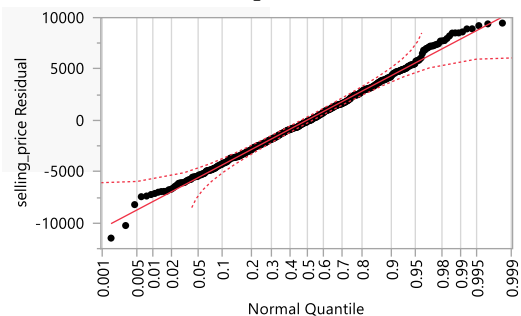
## Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob> t
Intercept	-1373988	68880.16	-19.95	<.0001*
vehicle_brand[Audi]	1200.8166	407.9403	2.94	0.0034*
vehicle_brand[BMW]	1105.7824	392.0228	2.82	0.0049*
vehicle_brand[Mercedes-Benz]	1522.3082	337.9404	4.50	<.0001*
vehicle_brand[Mitsubishi]	-1238.434	401.2572	-3.09	0.0021*
vehicle_brand[Renault]	-2797.88	361.7431	-7.73	<.0001*
vehicle_brand[Toyota]	412.98334	393.5631	1.05	0.2944
year	687.40845	34.22743	20.08	<.0001*
engine_capacity	3993.8874	302.325	13.21	<.0001*
miles_driven	-14.46845	2.200866	-6.57	<.0001*

## Effect Tests

Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F
vehicle_brand	6	6	970328141	13.9710	<.0001*
year	1	1	4668962368	403.3490	<.0001*
engine_capacity	1	1	2020146737	174.5193	<.0001*
miles_driven	1	1	500260308	43.2172	<.0001*

## Residual Normal Quantile Plot



Prediction Expression

-1373987.681

+ Match( vehicle\_brand )

+ 687.4084464 • year

+ 3993.8873649 • engine\_capacity

+ -14.46844566 • miles\_driven

"Audi" ⇒ 1200.8166152

"BMW" ⇒ 1105.7824347

"Mercedes-Benz" ⇒ 1522.3081727

"Mitsubishi" ⇒ -1238.434434

"Renault" ⇒ -2797.879658

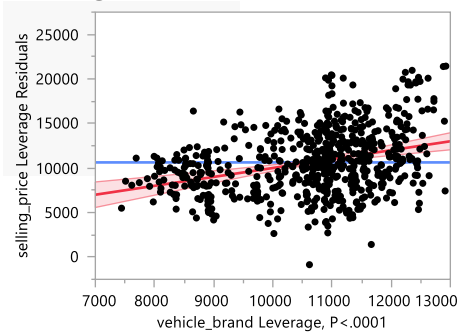
"Toyota" ⇒ 412.98333928

"Volkswagen" ⇒ -205.5764699

else ⇒ .

vehicle\_brand

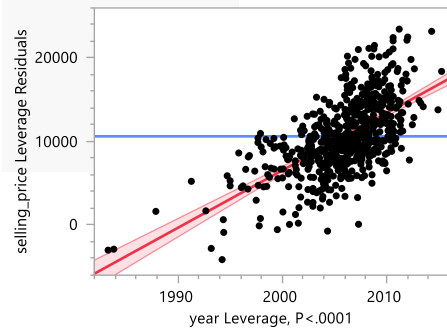
Leverage Plot



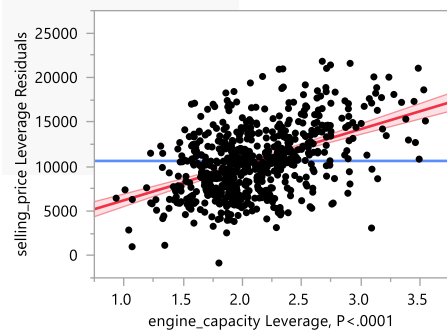
Least Squares Means Table

Level	Least Sq Mean	Std Error	Mean
Audi	11931.670	451.08209	10049.7
BMW	11836.636	426.81531	9167.9
Mercedes-Benz	12253.162	360.85101	12000.3
Mitsubishi	9492.419	442.43142	11179.7
Renault	7932.974	368.90637	8466.7
Toyota	11143.837	428.47114	14119.2
Volkswagen	10525.277	264.17280	10406.5

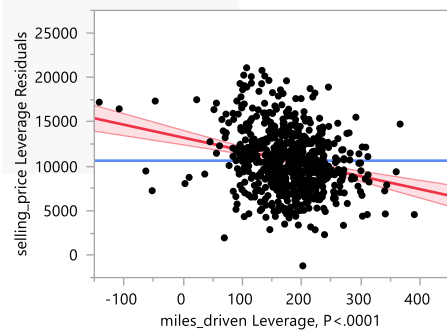
## year Leverage Plot



## engine\_capacity Leverage Plot



## miles\_driven Leverage Plot



## Prediction Profiler

