

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.8330
R Square	0.6939
Adjusted R Square	0.6883
Standard Error	5134.7635
Observations	506

## ANOVA

	df	SS	MS	F	Significance F
Regression	9	29638860499	3293206722	124.9045049	1.9328E-121
Residual	496	13077434916	26365796.2		
Total	505	42716295415			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	29241.32	4817.13	6.07	0.00	19776.83	38705.80	19776.83	38705.80
CRIME_RATE	48.73	78.42	0.62	0.53	-105.35	202.80	-105.35	202.80
AGE	32.77	13.10	2.50	0.01	7.04	58.50	7.04	58.50
INDUSTRY	13055.14	6311.73	2.07	0.04	654.11	25456.17	654.11	25456.17
NOX	-10321.18	3894.04	-2.65	0.01	-17972.02	-2670.34	-17972.02	-2670.34
DISTANCE	261.09	67.95	3.84	0.00	127.59	394.59	127.59	394.59
TAX	-14.40	3.91	-3.69	0.00	-22.07	-6.73	-22.07	-6.73
PTRATIO	-1074.31	133.60	-8.04	0.00	-1336.80	-811.81	-1336.80	-811.81
AVG_ROOM	4125.41	442.76	9.32	0.00	3255.49	4995.32	3255.49	4995.32
LSTAT	-603.49	53.08	-11.37	0.00	-707.78	-499.19	-707.78	-499.19

## RESIDUAL OUTPUT

Observation	Predicted AVG_PRICE	Residuals
1	30115.36	-6115.36
2	27007.14	-5407.14
3	32832.91	1867.09
4	31207.03	2192.97
5	30594.73	5605.27
6	28076.45	623.55
7	25299.85	-2399.85
8	22546.71	4553.29
9	14175.84	2324.16
10	22676.62	-3776.62
11	22780.83	-7780.83
12	24931.24	-6031.24
13	21629.81	70.19
14	20744.39	-344.39
15	20550.08	-2350.08
16	20040.69	-140.69
17	20626.19	2473.81
18	17388.40	111.60
19	15881.05	4318.95
20	18179.91	20.09
21	12730.85	869.15
22	18435.57	1164.43
23	16328.32	-1128.32
24	14211.19	288.81
25	16562.67	-962.67
26	15035.27	-1135.27
27	16856.52	-256.52

This depicts the regression summary output with all the variables. This model is able to explain 69% of the variation in the Average price of the houses. All the variables except CRIME\_RATE have been significant variables effecting the price of the house.