

Report for Linear Model New_Store_Prediction___LM

Basic Summary

Call:

lm(formula = Padacity_Sales ~ Census_Population + Land_Area + Total_Families, data = the.data)

Residuals:

Min	1Q	Median	3Q	Max
-110000	-4750	10180	41560	75240

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	196536.22	60172.001	3.2662	0.01711*
Census_Population	-3.21	7.855	-0.4087	0.69697
Land_Area	-53.55	19.644	-2.7262	0.03436*
Total_Families	62.78	33.998	1.8465	0.11434

Significance codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 76741 on 6 degrees of freedom

Multiple R-squared: 0.9142, Adjusted R-Squared: 0.8713

F-statistic: 21.32 on 3 and 6 DF, p-value: 0.001335

Type II ANOVA Analysis

Response: Padacity_Sales

	Sum Sq	DF	F value	Pr(>F)
Census_Population	983564136.27	1	0.17	0.69697
Land_Area	43768907210.74	1	7.43	0.03436*
Total_Families	20079363193.04	1	3.41	0.11434
Residuals	35334885270.17	6		

Significance codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Basic Diagnostic Plots

