Report for Linear Model New_Store_Prediction____LM

Basic Summary

Call:

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

Residuals:

Min	1Q	Median	3Q	Max
-177100	-13380	17900	34970	134600

Coefficients:

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	1.435e+05	87450.27	1.641189	0.14476
Land_Area	7.846e-02	21.18	0.003704	0.99715
Population_Density	3.145e+04	5848.33	5.377362	0.00103**

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

Residual standard error: 102588 on 7 degrees of freedom

Multiple R-squared: 0.8212, Adjusted R-Squared: 0.7701

F-statistic: 16.07 on 2 and 7 DF, p-value: 0.002419

Type II ANOVA Analysis

Response: Padacity_Sales

	Sum Sq	DF	F value	Pr(>F)
Land_Area	144414.54	1	0	0.99715
Population_Density	304321939965.4	1	28.92	0.00103**
Residuals	73670355358.88	7		

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

Basic Diagnostic Plots

Residuals vs Fitted

Normal Q-Q

Scale-Location

Residuals vs Leverage