Report for Linear Model New_Store_Prediction____LM

Basic Summary

Call:

lm(formula = Padacity_Sales ~ Households_With_Under_18 + Population_Density + Total_Families, data = the.data)

Residuals:

Min	1Q	Median	3Q	Max
-135900	-8614	15220	36020	53840

Coefficients:

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	94306.69	41595.33	2.267	0.06391.
Households_With_Under_18	-58.99	20.98	-2.812	0.03068*
Population_Density	23106.85	8171.80	2.828	0.03005*
Total_Families	49.41	16.97	2.912	0.02692*

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

Residual standard error: 68233 on 6 degrees of freedom

Multiple R-squared: 0.9322, Adjusted R-Squared: 0.8983

F-statistic: 27.49 on 3 and 6 DF, p-value: 0.0006645

Type II ANOVA Analysis

Response: Padacity_Sales

	Sum Sq	DF	F value	Pr(>F)
Households_With_Under_18	36808439474.96	1	7.91	0.03068*
Population_Density	37224542049.12	1	8	0.03005*
Total_Families	39474605549.26	1	8.48	0.02692*
Residuals	27934076011.77	6		

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