

## Report for Linear Model New\_Store\_Prediction\_\_\_LM

### Basic Summary

Call:

lm(formula = Padacity\_Sales ~ Households\_With\_Under\_18 + Land\_Area, data = the.data)

Residuals:

Min	1Q	Median	3Q	Max
-260700	-50920	-1834	47390	249800

Coefficients:

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	297611.68	107140.63	2.778	0.02739*
Households_With_Under_18	63.09	19.44	3.245	0.01415*
Land_Area	-54.07	29.28	-1.847	0.10727

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

Residual standard error: 146831 on 7 degrees of freedom

Multiple R-squared: 0.6336, Adjusted R-Squared: 0.529

F-statistic: 6.054 on 2 and 7 DF, p-value: 0.02976

### Type II ANOVA Analysis

Response: Padacity\_Sales

	Sum Sq	DF	F value	Pr(>F)
Households_With_Under_18	227077058908.59	1	10.53	0.01415*
Land_Area	73529107680.71	1	3.41	0.10727
Residuals	150915236415.68	7		

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

### Basic Diagnostic Plots

