

Report for Linear Model New_Store_Prediction___LM

Basic Summary

Call:

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

Residuals:

| Min | 1Q | Median | 3Q | Max |
|---------|--------|--------|-------|--------|
| -165000 | -28630 | -9045 | 30190 | 120300 |

Coefficients:

| | Estimate | Std. Error | t value | Pr(> t) |
|-------------------|-----------|------------|---------|------------|
| (Intercept) | 210872.04 | 69180.625 | 3.048 | 0.01863* |
| Census_Population | 11.03 | 1.728 | 6.383 | 0.00037*** |
| Land_Area | -30.23 | 17.443 | -1.733 | 0.12668 |

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

Residual standard error: 88974 on 7 degrees of freedom

Multiple R-squared: 0.8655, Adjusted R-Squared: 0.827

F-statistic: 22.52 on 2 and 7 DF, p-value: 0.0008928

Type II ANOVA Analysis

Response: Padacity_Sales

| | Sum Sq | DF | F value | Pr(>F) |
|-------------------|-----------------|----|---------|------------|
| Census_Population | 322578046861.07 | 1 | 40.75 | 0.00037*** |
| Land_Area | 23777499407.94 | 1 | 3 | 0.12668 |
| Residuals | 55414248463.21 | 7 | | |

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

Basic Diagnostic Plots

