

1 **Report for Linear Model X**

2 *Basic Summary*

3 Call:  
lm(formula = Total\_Sales ~ Land.Area + Population.Density + Total.Families,  
data = the.data)

4 Residuals:

5

Min	1Q	Median	3Q	Max
-53464	-29088	-13915	26096	69487

6 Coefficients:

7

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	292680.20	47765.60	6.127	0.00086 ***
Land.Area	-91.83	23.21	-3.957	0.00748 **
Population.Density	-36987.13	12397.14	-2.984	0.02452 *
Total.Families	91.55	20.19	4.533	0.00396 **

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

8 Residual standard error: 51553 on 6 degrees of freedom  
Multiple R-squared: 0.8276, Adjusted R-Squared: 0.7413  
F-statistic: 9.598 on 3 and 6 degrees of freedom (DF), p-value 0.01046

9 *Type II ANOVA Analysis*

10 Response: Total\_Sales

	Sum Sq	DF	F value	Pr(>F)
Land.Area	41617607703.71	1	15.66	0.00748 **
Population.Density	23657234261.52	1	8.9	0.02452 *
Total.Families	54621544852.43	1	20.55	0.00396 **
Residuals	15946199445.41	6		

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