Report for Linear Model HFC

Basic Summary

Call:

lm(formula = Count ~ medianAge + population + noEducation + highschoolEducation + gedEducation + associatesEducation + bachelorsEducation + masterEducation + professionalEducation + doctorateEducation + medianHHIncome + rentAsPercIncome, data = the.data)

Residuals:

Min	1Q	Median	3Q	Max
-215.5	-66.4	-13.7	53.2	399.8

Coefficients:

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	113.236819	4.723e+01	2.3977	0.01715*
medianAge	0.361800	8.670e-01	0.4173	0.67679
population	0.048769	3.366e-02	1.4490	0.14846
noEducation	0.131407	3.619e-01	0.3632	0.71676
highschoolEducation	0.056883	1.159e-01	0.4908	0.62392
gedEducation	-0.184386	2.403e-01	-0.7673	0.44355
associatesEducation	-0.284634	2.169e-01	-1.3124	0.19045
bachelorsEducation	-0.373467	1.016e-01	-3.6774	0.00028***
masterEducation	-0.205448	2.173e-01	-0.9455	0.34524
professionalEducation	0.332849	3.633e-01	0.9162	0.36037
doctorateEducation	0.107679	4.663e-01	0.2309	0.81755
medianHHIncome	-0.001199	4.474e-04	-2.6787	0.00783**
rentAsPercIncome	1.283965	6.183e-01	2.0767	0.03874*

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

Residual standard error: 98.159 on 281 degrees of freedom

Multiple R-squared: 0.3004, Adjusted R-Squared: 0.2706

F-statistic: 10.06 on 12 and 281 DF, p-value: 2.22e-16

Type II ANOVA Analysis

Response: Count

	Sum Sq	DF	F value	Pr(>F)
medianAge	1677.69	1	0.17	0.67679
population	20229.44	1	2.1	0.14846
noEducation	1270.68	1	0.13	0.71676
highschoolEducation	2321.4	1	0.24	0.62392
gedEducation	5672.63	1	0.59	0.44355
associatesEducation	16596.06	1	1.72	0.19045
bachelorsEducation	130298.75	1	13.52	0.00028***
masterEducation	8612.62	1	0.89	0.34524
professionalEducation	8087.1	1	0.84	0.36037
doctorateEducation	513.76	1	0.05	0.81755
medianHHIncome	69133.72	1	7.18	0.00783**
rentAsPercIncome	41553.24	1	4.31	0.03874*
Residuals	2707473.12	281		

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

Basic Diagnostic Plots