

Data Split Summary

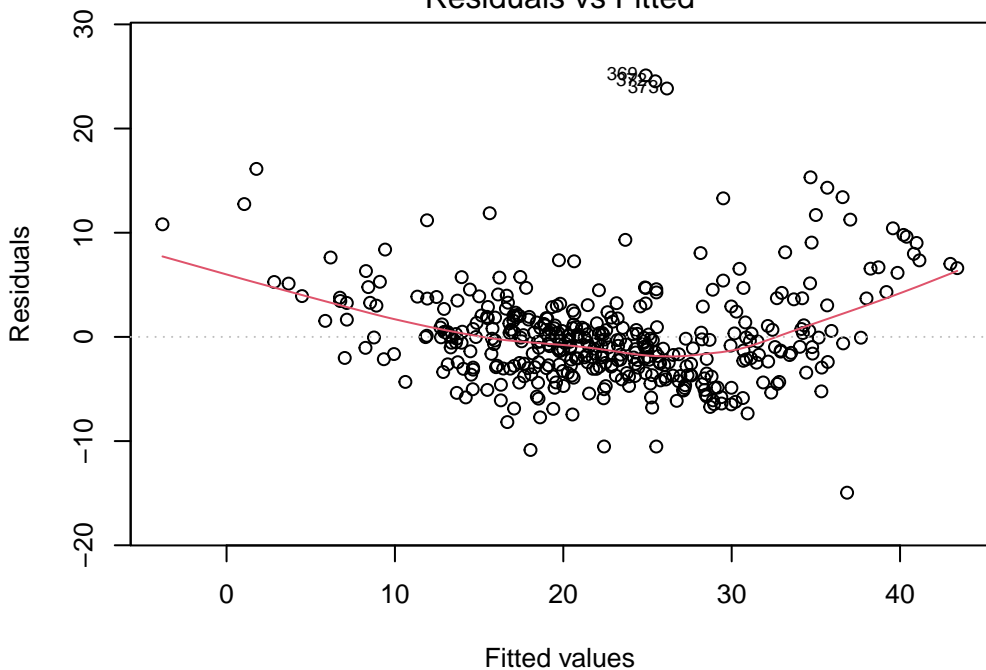
Training Set: 407 observations

Testing Set: 99 observations

Full Model Summary

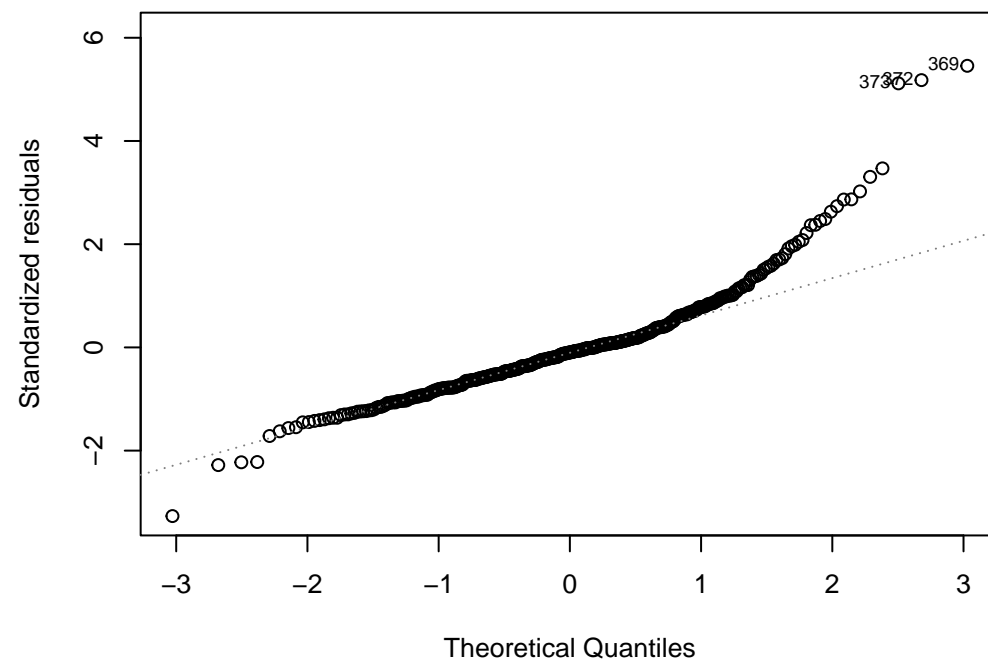
Regression Diagnostics for Full Model

Residuals vs Fitted



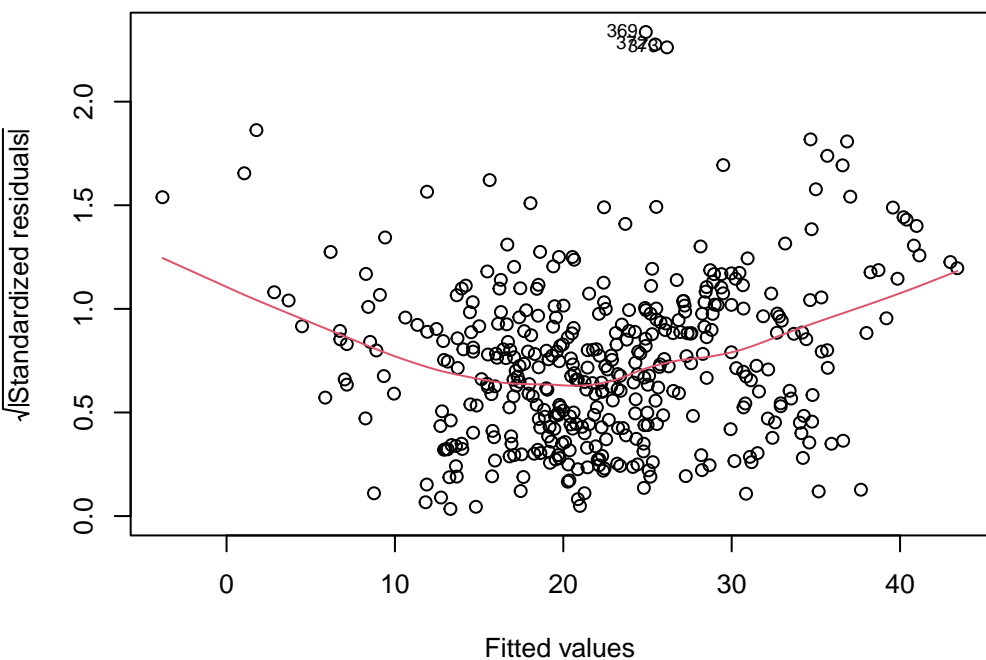
Regression Diagnostics for Full Model

Q-Q Residuals



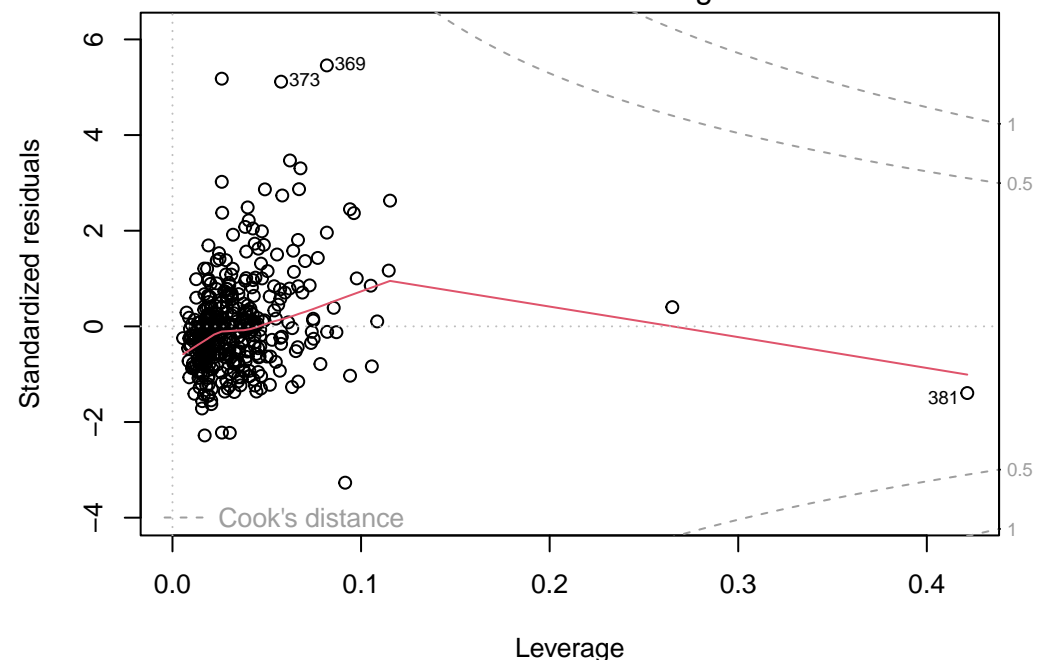
Regression Diagnostics for Full Model

Scale-Location



Regression Diagnostics for Full Model

Residuals vs Leverage



Variance Inflation Factors (VIF)

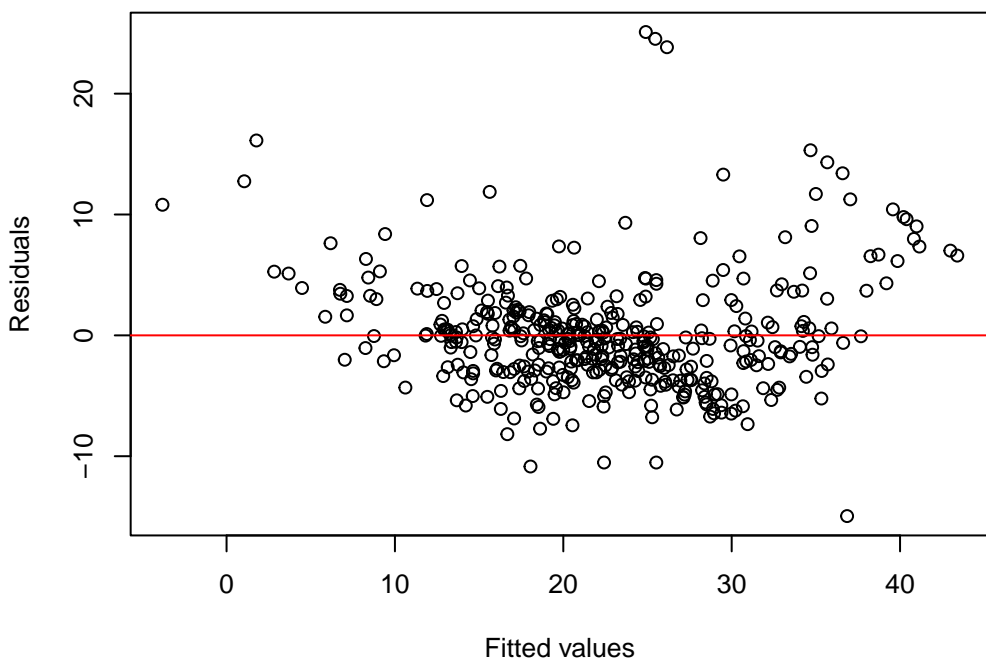
	Variable	VIF
<i>CRIM</i>	CRIM	1.845
<i>ZN</i>	ZN	2.323
<i>INDUS</i>	INDUS	3.956
<i>CHAS</i>	CHAS	1.067
<i>NOX</i>	NOX	4.448
<i>RM</i>	RM	1.912
<i>AGE</i>	AGE	3.214
<i>DIS</i>	DIS	4.065
<i>RAD</i>	RAD	8.153
<i>TAX</i>	TAX	9.660
<i>PTRATIO</i>	PTRATIO	1.852
<i>B</i>	B	1.365
<i>LSTAT</i>	LSTAT	3.132

Stepwise Model Summary

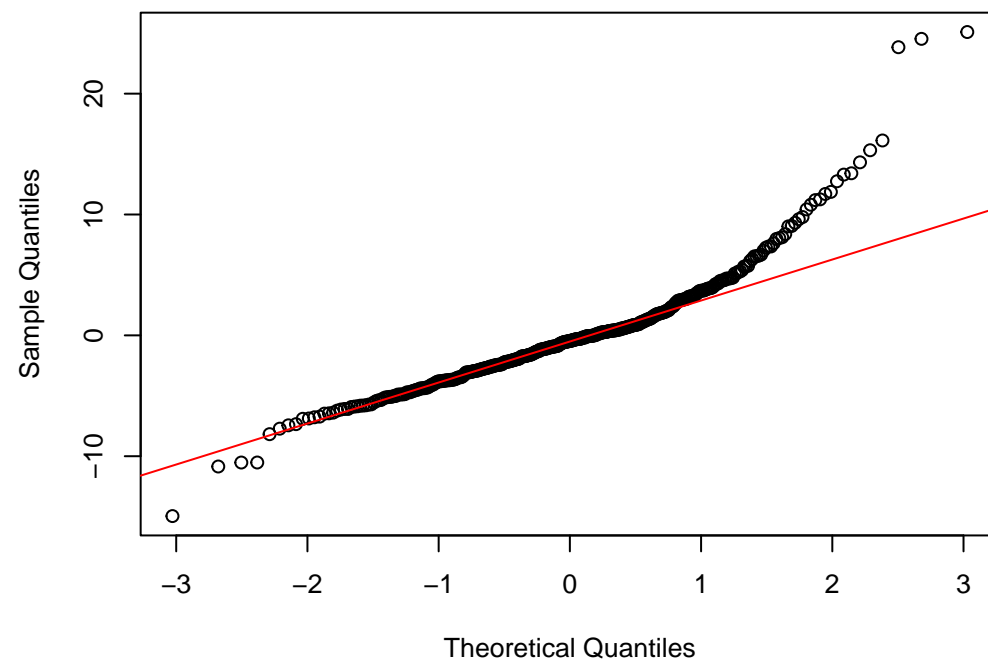
ANOVA Comparison of Models

	Res.Df	RSS	Df	Sum of Sq	F	Pr(>F)
1	393	9056.90491566888	NA	NA	NA	NA
2	395	9066.96285860686	-2	-10.0579429379777	0.218218674670348	0.804046966574337

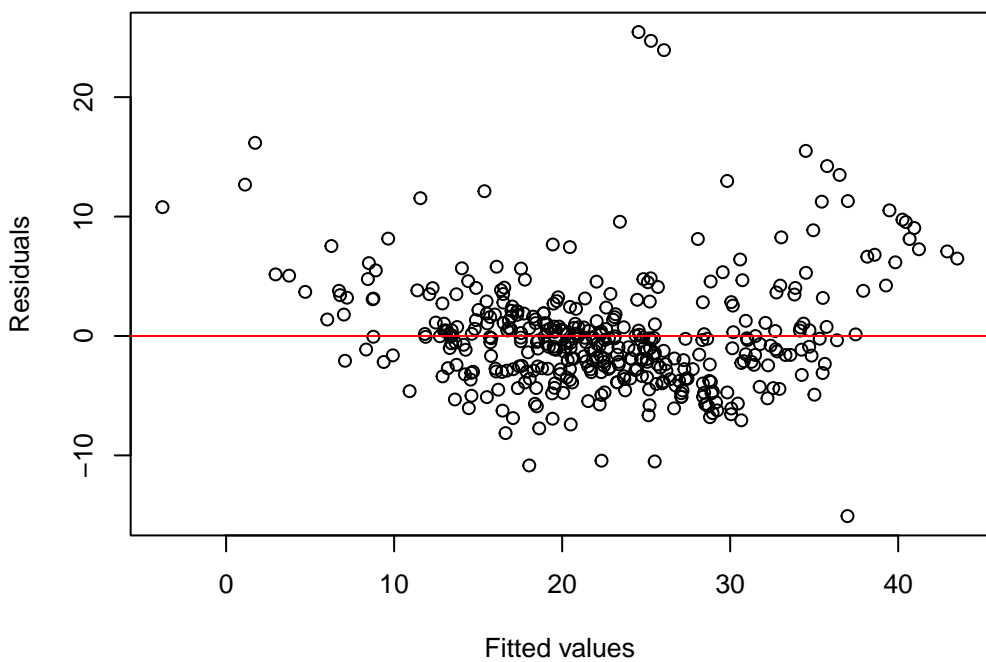
Full Model: Residuals vs Fitted



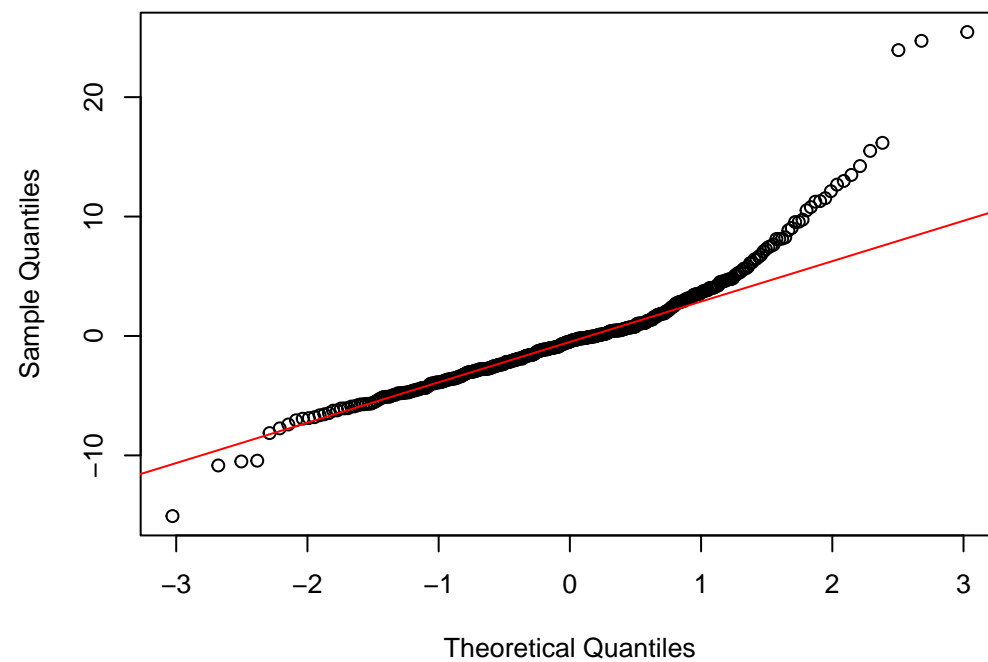
Full Model: Normal Q-Q Plot



Stepwise Model: Residuals vs Fitted



Stepwise Model: Normal Q-Q Plot



Coefficient Comparison Between Models

	Variable	Full_Model	Stepwise_Model
<i>(Intercept)</i>	(Intercept)	37.7336	37.5179
<i>CRIM</i>	CRIM	−0.0939	−0.0943
<i>ZN</i>	ZN	0.0394	0.0386
<i>CHAS</i>	CHAS	2.2902	2.2892
<i>NOX</i>	NOX	−17.1306	−16.6519
<i>RM</i>	RM	3.4992	3.5695
<i>DIS</i>	DIS	−1.3908	−1.4259
<i>RAD</i>	RAD	0.3309	0.3307
<i>TAX</i>	TAX	−0.0124	−0.0126
<i>PTRATIO</i>	PTRATIO	−0.9607	−0.9579
<i>B</i>	B	0.0098	0.0100
<i>LSTAT</i>	LSTAT	−0.5621	−0.5487