

# Linear Model 1

Residuals:

Min	1Q	Median	3Q	Max
-1.12394	-0.18900	-0.03929	0.16982	1.20435

Coefficients:

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	4.46196	0.06813	65.488	< 2e-16 ***
log_PROPERTYSQFT	0.38841	0.02235	17.381	< 2e-16 ***
log_BEDS	-0.19462	0.02456	-7.925	2.85e-15 ***
log_BATH	1.09688	0.02789	39.334	< 2e-16 ***

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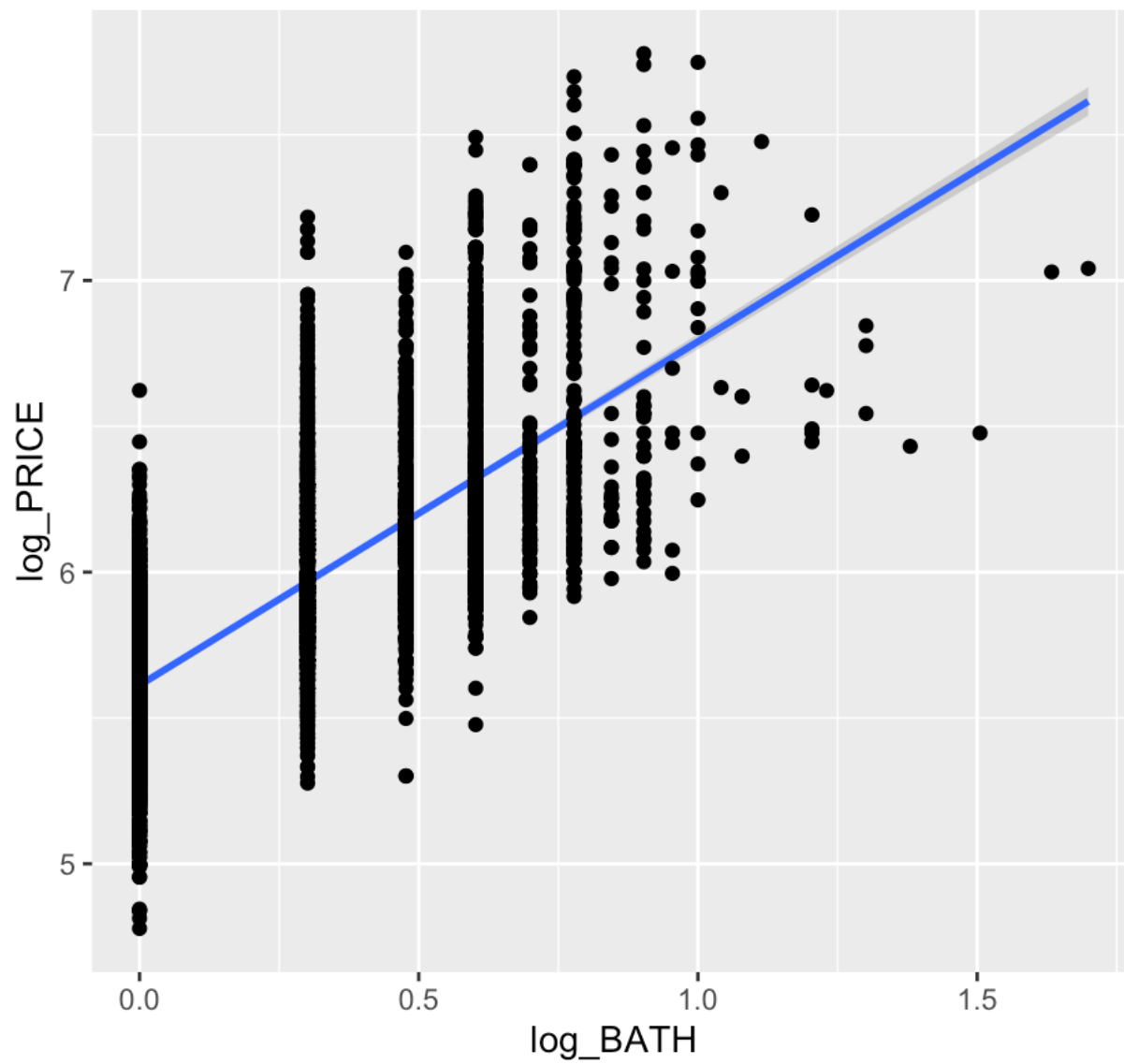
Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.2873 on 4488 degrees of freedom

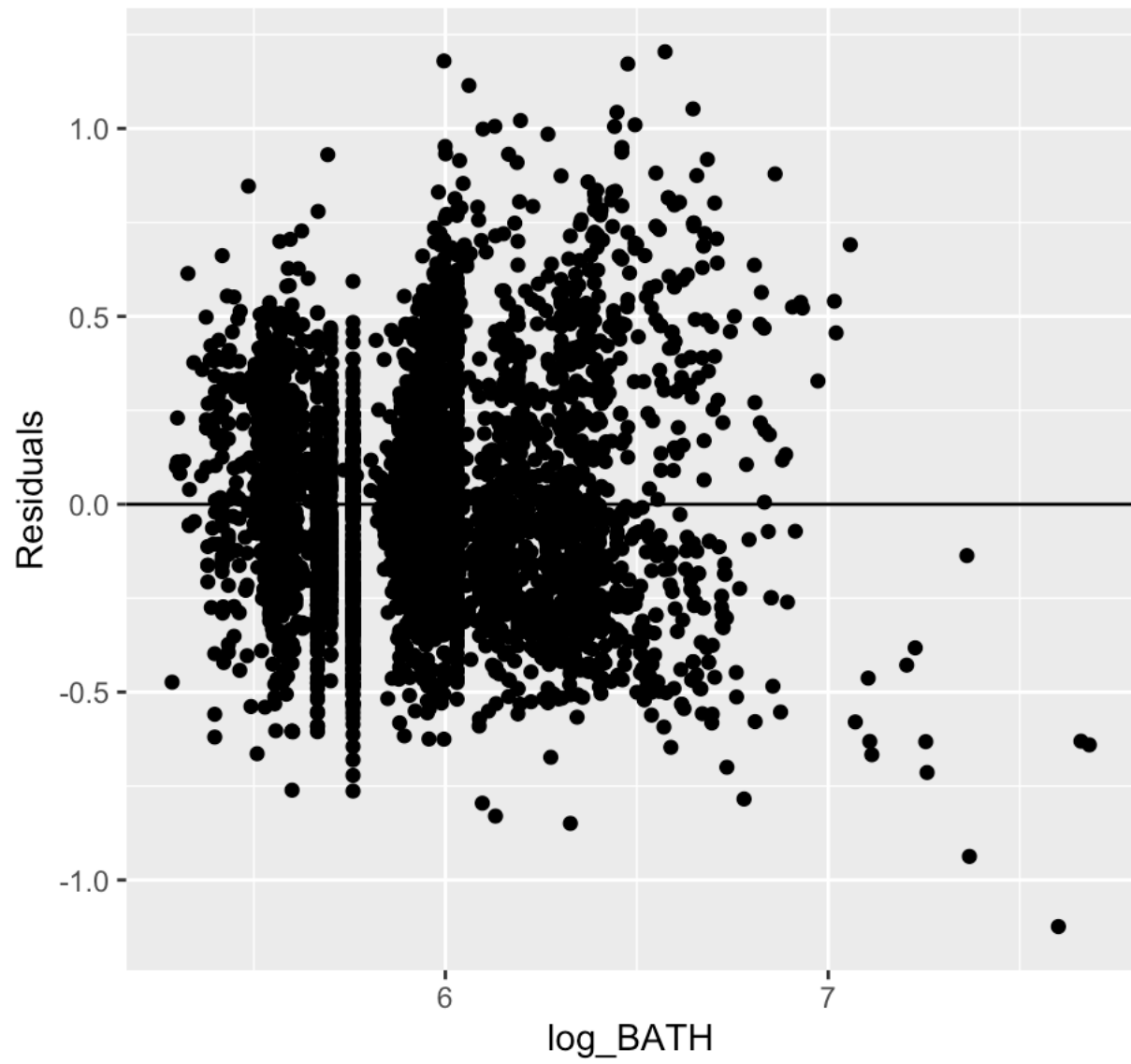
Multiple R-squared: 0.5412, Adjusted R-squared: 0.5409

F-statistic: 1764 on 3 and 4488 DF, p-value: < 2.2e-16

Model 1



Model 1 Residual vs. Fitted Values Plot



# Linear Model 2

Call:

```
lm(formula = log_PRICE ~ log_PROPERTYSQFT + log_BEDS, data = House.data.subset)
```

Residuals:

Min	1Q	Median	3Q	Max
-0.98559	-0.20858	-0.04807	0.17477	1.55337

Coefficients:

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	3.41936	0.07278	46.98	<2e-16 ***
log_PROPERTYSQFT	0.72680	0.02391	30.39	<2e-16 ***
log_BEDS	0.41903	0.02199	19.06	<2e-16 ***

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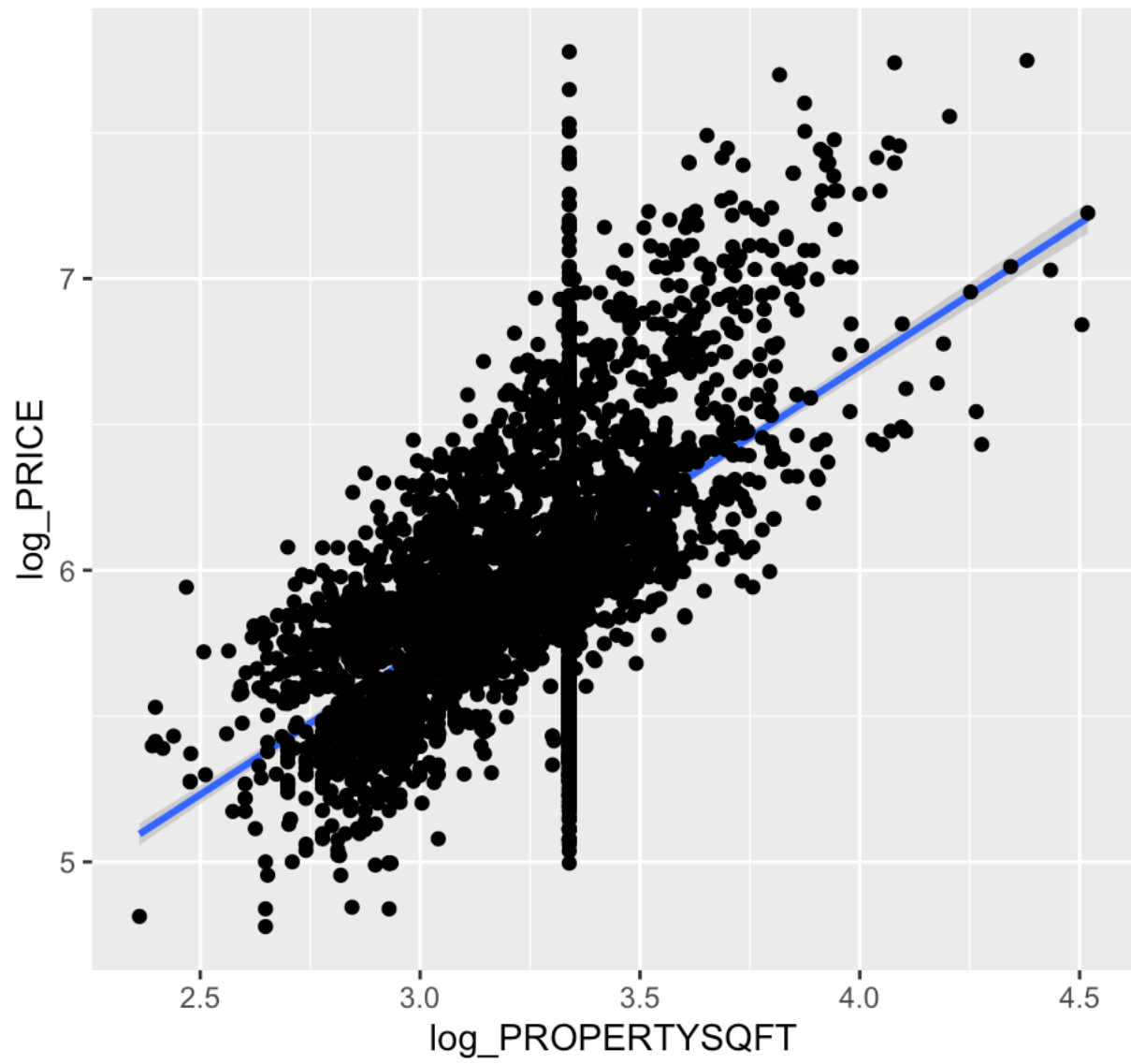
Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.3332 on 4489 degrees of freedom

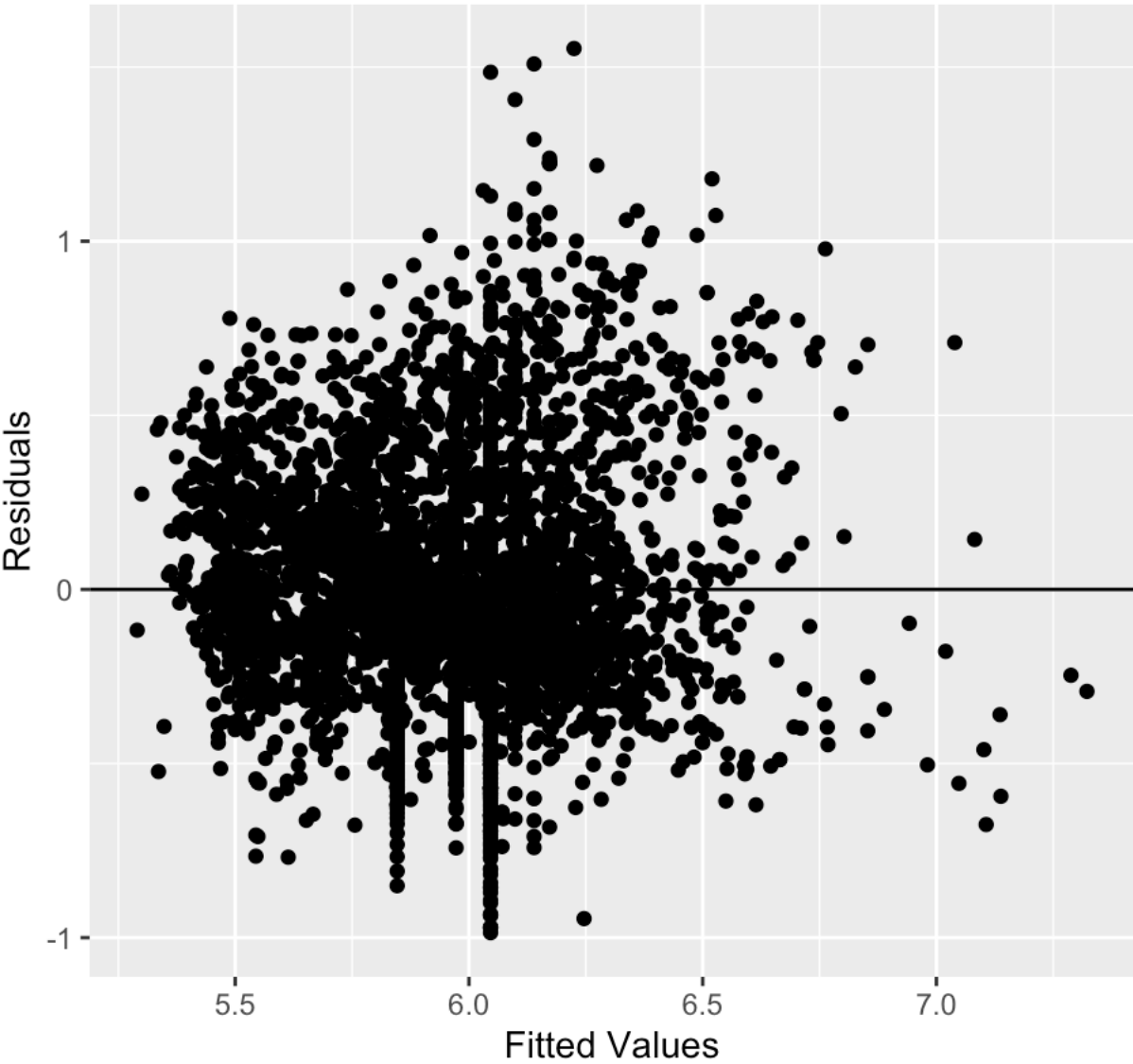
Multiple R-squared: 0.383, Adjusted R-squared: 0.3827

F-statistic: 1393 on 2 and 4489 DF, p-value: < 2.2e-16

Model 2



Model 2 Residual vs. Fitted Values Plot



# Linear Model 3

Call:

```
lm(formula = log_PRICE ~ log_PROPERTYSQFT + log_BATH, data = House.data.subset)
```

Residuals:

Min	1Q	Median	3Q	Max
-0.9410	-0.1941	-0.0468	0.1716	1.2014

Coefficients:

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	4.50510	0.06838	65.88	<2e-16 ***
log_PROPERTYSQFT	0.36172	0.02224	16.26	<2e-16 ***
log_BATH	0.95646	0.02168	44.11	<2e-16 ***

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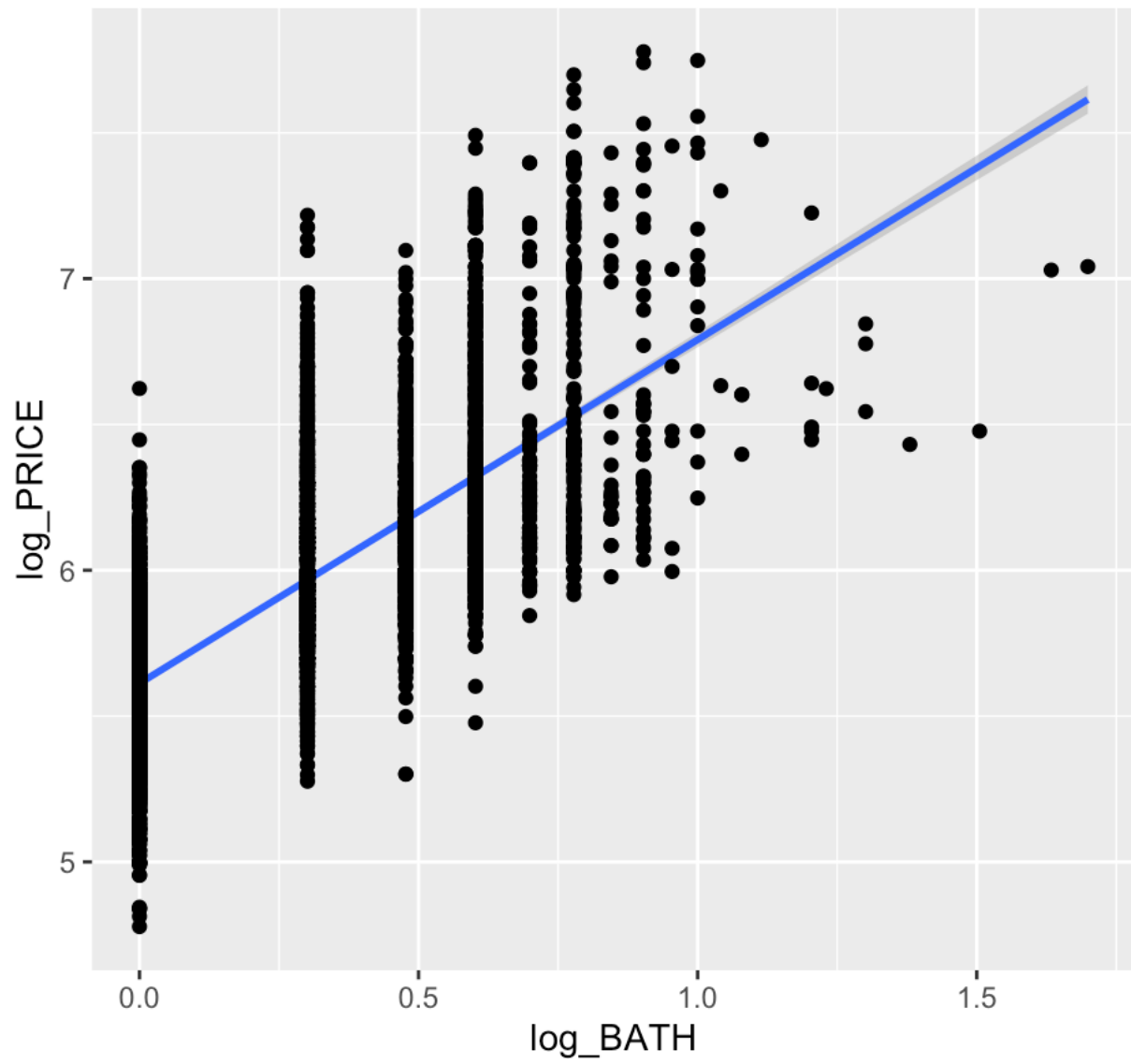
Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.2893 on 4489 degrees of freedom

Multiple R-squared: 0.5347, Adjusted R-squared: 0.5345

F-statistic: 2580 on 2 and 4489 DF, p-value: < 2.2e-16

Model 3





Model 3 Residual vs. Fitted Values Plot

