```
In [36]: all <- read.table("housing.data")
    sample <- all[, 14]</pre>
```

(Intercept) 41.3458744679732 V5 -33.9160550086611

Call:

 $lm(formula = V14 \sim V5, data = all)$

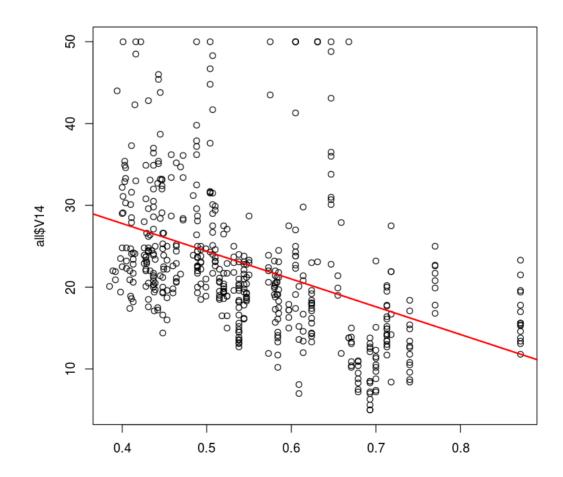
Residuals:

Min 10 Median 30 Max -13.691 -5.121 -2.161 2.959 31.310

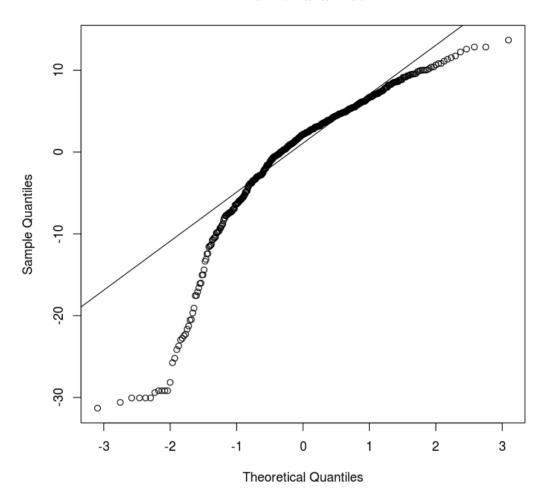
Coefficients:

Estimate Std. Error t value Pr(>|t|)
(Intercept) 41.346 1.811 22.83 <2e-16 ***
V5 -33.916 3.196 -10.61 <2e-16 ***
--Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 8.323 on 504 degrees of freedom Multiple R-squared: 0.1826, Adjusted R-squared: 0.181 F-statistic: 112.6 on 1 and 504 DF, p-value: < 2.2e-16



Normal Q-Q Plot



Нет, это не похоже на нормальное распределение, больше похоже на Коши

(Intercept) 62.3446274748332 V11 -2.15717529606098

Call:

lm(formula = V14 ~ V11, data = all)

Residuals:

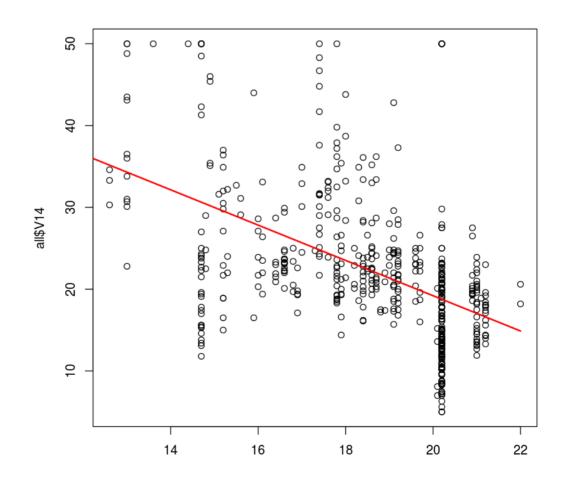
Min 1Q Median 3Q Max -18.8342 -4.8262 -0.6426 3.1571 31.2303

Coefficients:

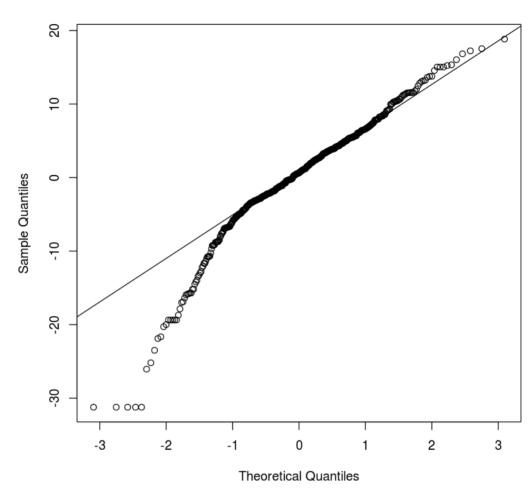
Estimate Std. Error t value Pr(>|t|)
(Intercept) 62.345 3.029 20.58 <2e-16 ***
V11 -2.157 0.163 -13.23 <2e-16 ***

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

Residual standard error: 7.931 on 504 degrees of freedom Multiple R-squared: 0.2578, Adjusted R-squared: 0.2564 F-statistic: 175.1 on 1 and 504 DF, p-value: < 2.2e-16







Это больше похоже на нормальное распределение, но всё равно без дополнительных исследований даже близко нельзя предпологать, что остатки распределены нормально

(Intercept) 24.0331061741239 V1 -0.41519027791509

Call:

lm(formula = V14 ~ V1, data = all)

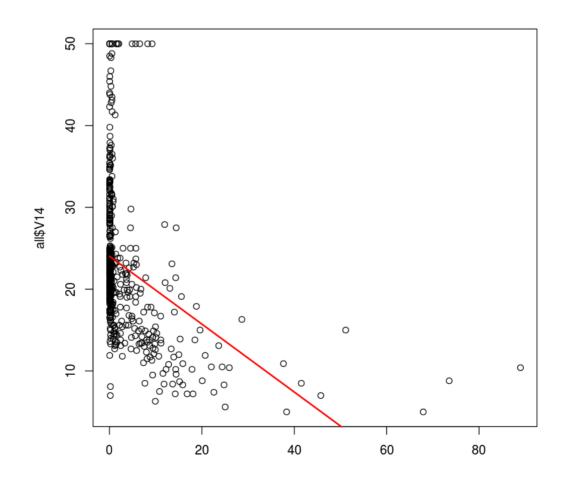
Residuals:

Min 1Q Median 3Q Max -16.957 -5.449 -2.007 2.512 29.800

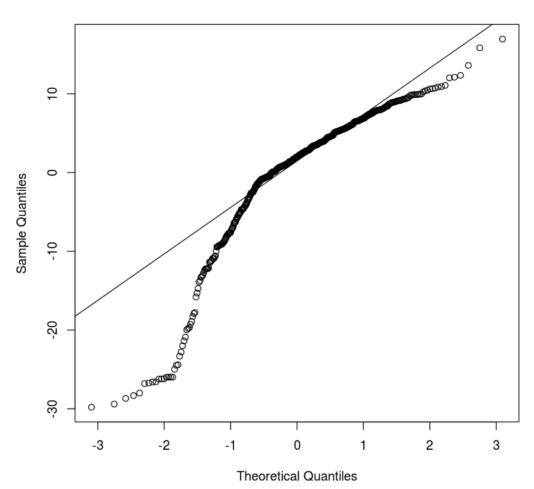
Coefficients:

Estimate Std. Error t value Pr(>|t|)
(Intercept) 24.03311 0.40914 58.74 <2e-16 ***
V1 -0.41519 0.04389 -9.46 <2e-16 ***
--Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 8.484 on 504 degrees of freedom Multiple R-squared: 0.1508, Adjusted R-squared: 0.1491 F-statistic: 89.49 on 1 and 504 DF, p-value: < 2.2e-16



Normal Q-Q Plot



Абсолютно аналогичная 1му случаю ситуация. Нет, не нормальное