```
library(matlib)
library(pracma)

##
## Attaching package: 'pracma'

## The following objects are masked from 'package:matlib':
##
## angle, inv
library(readr)
```

/ Communities and Crime Data Set

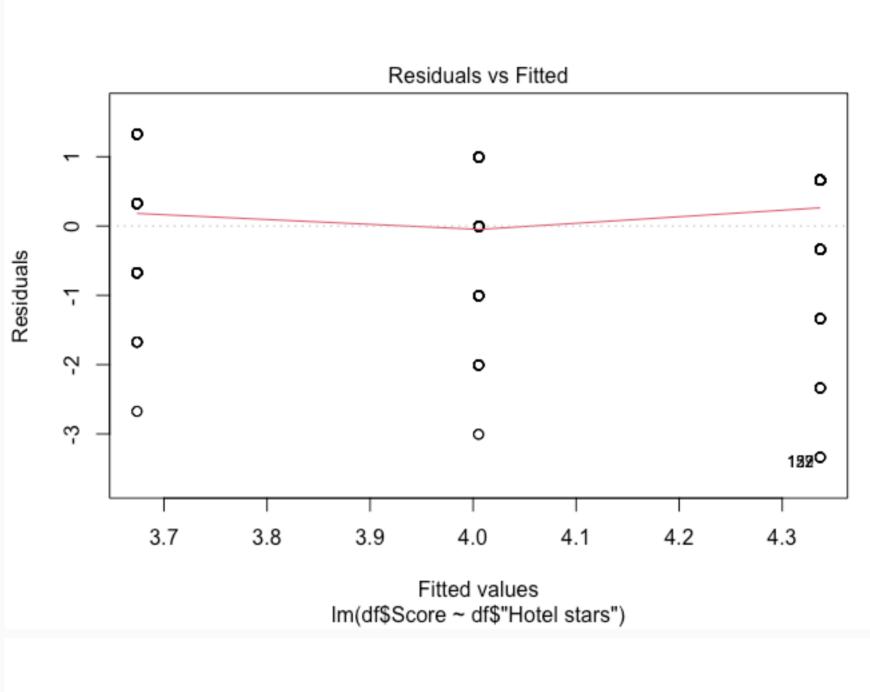
Abstract: This dataset includes quantitative and categorical features from online reviews from 21 hotels located in Las Vegas Strip, extracted from TripAdvisor ([Web Link]).

Data Set Information: All the 504 reviews were collected between January and August of 2015.

Attribute Information: The dataset contains 504 records and 20 tuned features (as of $\hat{a} \in \text{costatus} = \text{included} \hat{a} \in \mathbb{D}$, from Table 1 of the article mentioned below), 24 per hotel (two per each month, randomly selected), regarding the year of 2015. The CSV contains a header, with the names of the columns corresponding to the features marked as $\hat{a} \in \text{costatus} = \text{included} \hat{a} \in \mathbb{D}$, from Table 1 of the aforementioned article.

```
destfile <- tempfile()</pre>
download.file("https://archive.ics.uci.edu/ml/machine-learning-databases/00397/LasVega
df <- read_delim(destfile, delim=';' ,col_names = TRUE, col_types = list('Hotel stars</pre>
## Warning: One or more parsing issues, call `problems()` on your data frame for deta
## e.g.:
## dat <- vroom(...)
## problems(dat)
mylm <- lm(df$Score ~ df$'Hotel stars')</pre>
summary(mylm)
##
## Call:
## lm(formula = df$Score ~ df$"Hotel stars")
##
## Residuals:
           1Q Median
                               3Q
      Min
## -3.3369 -0.3369 0.3262 0.6631 1.3262
##
## Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
##
```

```
plot(mylm)
```



(Intercept) 2.67908 0.26070 10.277 < 2e-16 ***

df\$"Hotel stars" 0.33156 0.06047 5.483 7.35e-08 ***

Residual standard error: 0.9851 on 406 degrees of freedom

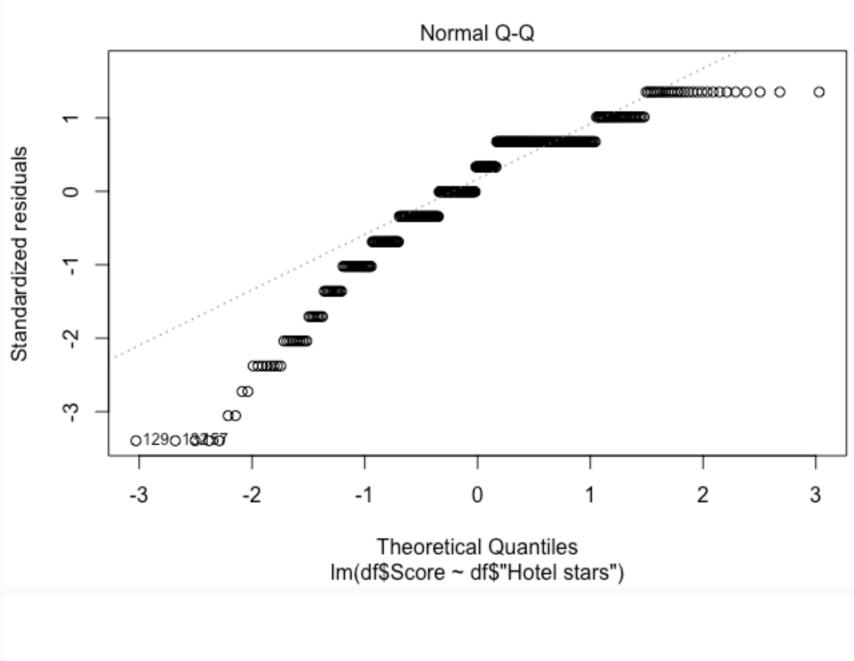
F-statistic: 30.07 on 1 and 406 DF, p-value: 7.351e-08

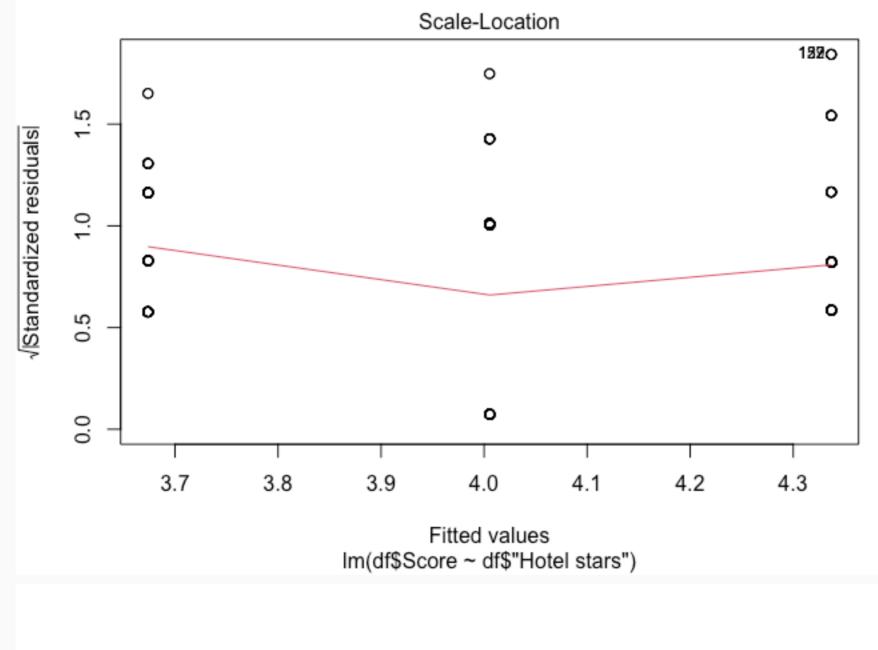
(96 observations deleted due to missingness)

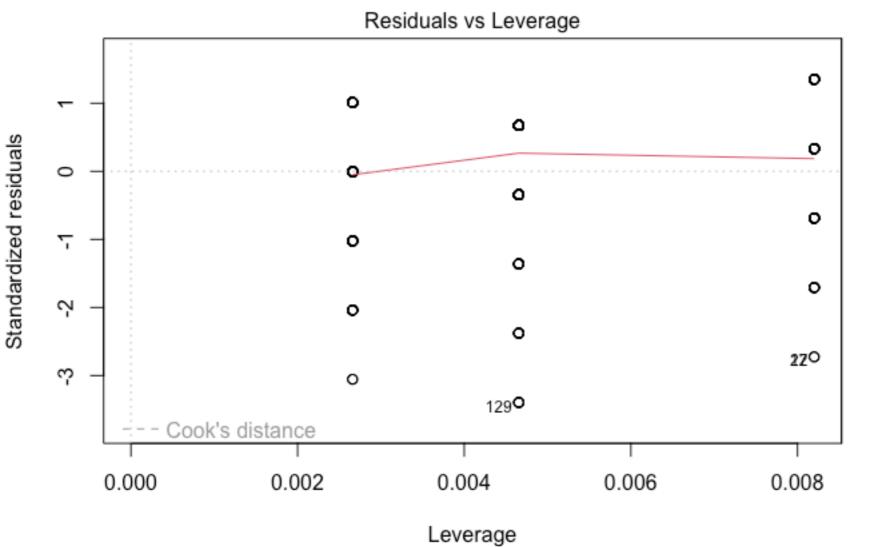
Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1

Multiple R-squared: 0.06895, Adjusted R-squared: 0.06666

##







Im(df\$Score ~ df\$"Hotel stars")