

hw6 GRAPHS

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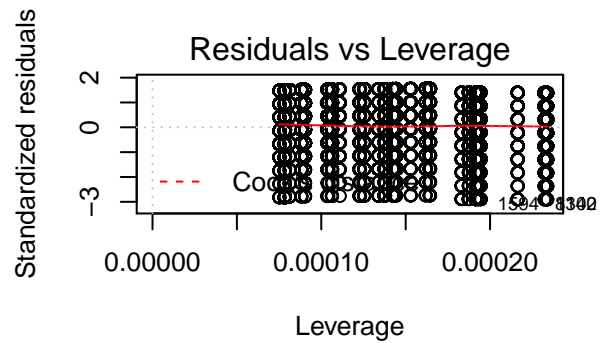
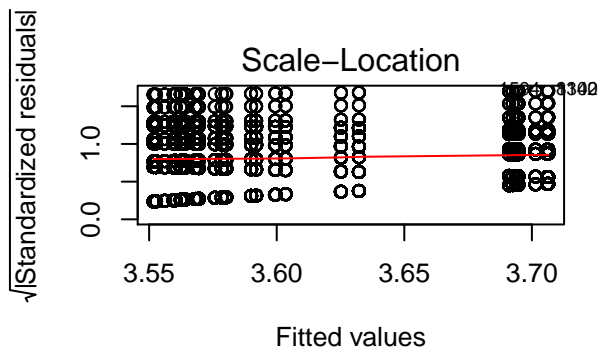
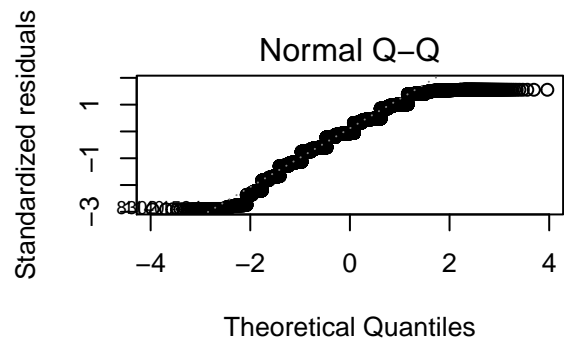
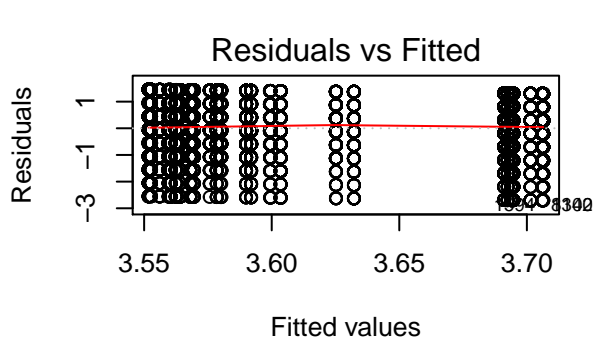
```
pkg <- c("readr","readxl","dplyr","stringr","ggplot2","tidyr","stats")
pkgload <- lapply(pkg, require, character.only = TRUE)

## Loading required package: readr
## Loading required package: readxl
## Loading required package: dplyr
##
## Attaching package: 'dplyr'
## The following objects are masked from 'package:stats':
##
##   filter, lag
## The following objects are masked from 'package:base':
##
##   intersect, setdiff, setequal, union
## Loading required package: stringr
## Loading required package: ggplot2
## Loading required package: tidyr
library(jsonlite,warn.conflicts = F)
business <- fromJSON(sprintf("[%s]", paste(readLines("/Users/MichaelMiao/Documents/GitHub/Visualization-
of-Yelp-s-Academic-Dataset/Project/source/business.json"))))

## Warning in readLines("/Users/MichaelMiao/Documents/GitHub/Visualization-
## of-Yelp-s-Academic-Dataset/Project/source/business.json"): incomplete final
## line found on '/Users/MichaelMiao/Documents/GitHub/Visualization-of-Yelp-s-
## Academic-Dataset/Project/source/business.json'

#head(business,n=2)
business1=business
#head(business,n=2)
#str(business1$categories)
#names(business1)
business1 <- business1 %>% select(.,longitude,latitude,stars,state)
box <- business1 %>% group_by(business1$state) %>% summarise(., stars_mean=mean(stars))

modell1 <- lm(data = business1,formula = business1$stars~business1$longitude)
#summary(modell1)
par(mfrow=c(2,2))
plot(modell1)
```



```
plot(business1$longitude,business1$stars,col="red")
```

