Reviews\_labour\_market\_US

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## Labour market short analysis and visualisation

### 1. load packages

library(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

library(ggplot2)

### 2. Including Plots

Download files and upload data frame

path <-'C:/Main\_folder/Source\_files/R\_source\_file/Labour\_Market\_US/'  
  
files <- c('alldata.csv',  
 'fulltimeAL.csv',  
 'fulltimeAT.csv',  
 'fulltimeBO.csv',  
 'fulltimeBOS.csv',  
 'fulltimeCHI.csv',  
 'fulltimeDC.csv',  
 'fulltimeLA.csv',  
 'fulltimeMA.csv',  
 'fulltimeMV.csv',  
 'fulltimeNY.csv',  
 'fulltimeRM.csv',  
 'fulltimeSD.csv',  
 'fulltimeSEA.csv',  
 'fulltimeSF.csv',  
 'fulltimeSU.csv'  
 )  
  
frame <- function(k){  
 #read.csv(paste(path, files[k], sep = ''),  
 # na.strings = c('NA', 'NULL'))  
 return(read.csv(paste(path, files[k], sep = ''),  
 na.strings = c('NA', 'NULL')))  
   
}  
df\_all <- frame(1)

### Basic data frame statistical summary

summary(df\_all)

## position company description reviews   
## Length:6964 Length:6964 Length:6964 Min. : 2   
## Class :character Class :character Class :character 1st Qu.: 27   
## Mode :character Mode :character Mode :character Median : 230   
## Mean : 3179   
## 3rd Qu.: 1578   
## Max. :148114   
## NA's :1638   
## location   
## Length:6964   
## Class :character   
## Mode :character   
##   
##   
##   
##

### Plotting general view of job reviews

cutting\_into\_breaks = cut(df\_all$reviews, breaks = seq(from = 0, to = 500, by = 100))  
w = table(cutting\_into\_breaks)  
names(w) <- c('0 to 50', '100 to 150', '200 to 250', '300 to 350','400 to 450')  
plot(w, ylab = 'Number of rewiews', xlab = 'aaa', col = 'blue', lwd = 3)

