install.packages("readr")

install.packages("googleVis")

install.packages("plyr")

install.packages("stringr")

install.packages("stringi")

install.packages("magrittr")

install.packages("dplyr")

library(readr)

library("googleVis")

library("plyr")

# Load data

Tablet <- readRDS("~/Tablet.RDS")

# Show the distribution of users by location (city) with Google Map

# !!! It takes time to show all the locations, so be patient !!!

Tablet$city <- tolower(Tablet$USER\_CITY)

citySum = data.frame(table(Tablet$city))

GeoStates <- gvisGeoChart(citySum, "Var1", "Freq",

options=list(region="US",

# displayMode="regions",

displayMode="markers",

resolution="provinces",

width=600, height=400))

plot(GeoStates)

# User gender distribution by city

# Get subset of the data to explore

subdf <- subset(Tablet, city =='new york city' | city =='brooklyn')

genderCity <-data.frame(table(subdf[,c("city", "USER\_GENDER")]))

# xtabs(Freq~city+USER\_GENDER,genderCity)

tab = reshape(genderCity,direction="wide",timevar="USER\_GENDER",idvar="city")

Column <- gvisColumnChart(tab)

plot(Column)

# User posting time by gender

Tablet$days <- weekdays(as.POSIXlt(Tablet$MESSAGE\_POSTED\_TIME))

dfrm <-data.frame(table(Tablet[,c("USER\_GENDER","days")]))

genderDays = reshape(dfrm,direction="wide",timevar="days",idvar="USER\_GENDER")

Bar <- gvisBarChart(genderDays)

plot(Bar)