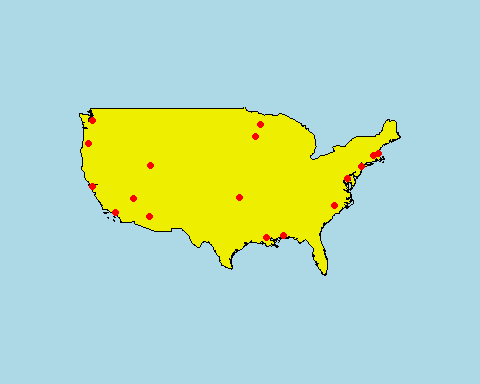
Visualzing Database in R

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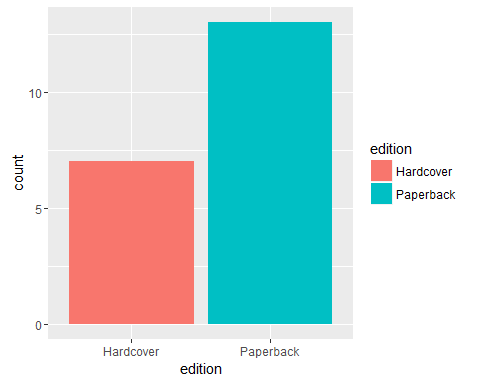
### Databases can be connected with R using dbConnect library and can be used for Data analysis

library(dbConnect)  
library(ggmap)  
library(ggplot2)  
library(maps)  
mydb = dbConnect(MySQL(), user='sid', password='saibaba',   
 dbname='Instabook', host='localhost')  
rs = dbSendQuery(mydb, "select \*from customer")  
data = fetch(rs, n=-1)  
cities=data[5]  
a=geocode(cities$city)  
latitude<-a$lat  
longitude<-a$lon  
map("world","usa",fill = TRUE,col="yellow2",bg="lightblue", ylim=c(25, 49), mar=c(0,5,5,3))  
points(longitude,latitude, col="red", pch=16)

 ###ALL THE CITIES FROM WHERE INSTABOOK RECIEVED ORDERS###

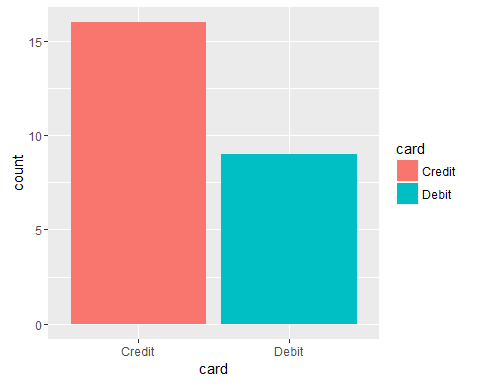
## POPULAR TREND:PAPERBACK VS HARDCOVER

ps = dbSendQuery(mydb, "SELECT edition,count(edition) AS count from book  
GROUP BY edition")  
data2=fetch(ps,n=-1)  
ggplot(data = data2, aes(edition, count,fill = edition)) + geom\_bar(stat="identity")



## CREDIT VS DEBIT CARD

ms=dbSendQuery(mydb, "SELECT card,count(card) AS count from Customer  
GROUP BY card")  
data3=fetch(ms,n=-1)  
ggplot(data = data3, aes(card, count,fill = card)) + geom\_bar(stat="identity")



## BAR GRAPH BETWEEN STATE VS NUMBER OF CUSTOMERS

ts=dbSendQuery(mydb, "SELECT state, COUNT(state) AS count FROM Customer GROUP BY state;")  
data4=fetch(ts,n=-1)  
ggplot(data = data4, aes(state, count,fill = state)) + geom\_bar(stat="identity")

