Homework3

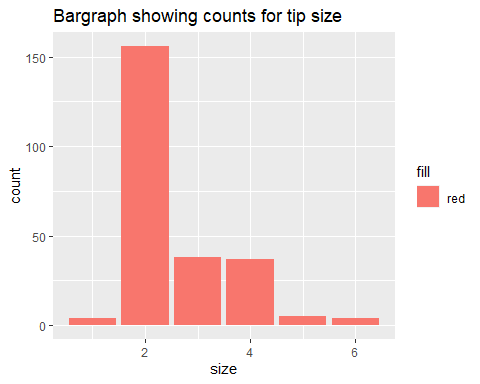
Dalia Habiby

9/18/2020

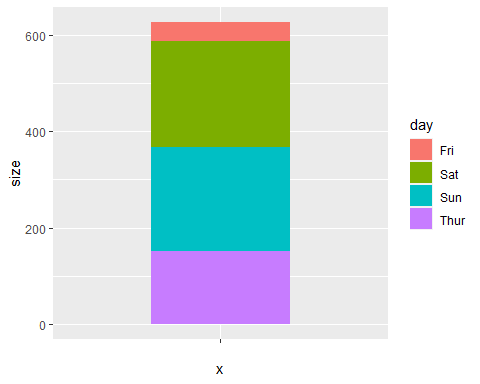
library(reshape2)  
library(ggplot2)  
View(tips)  
  
#1  
?tips

## starting httpd help server ... done

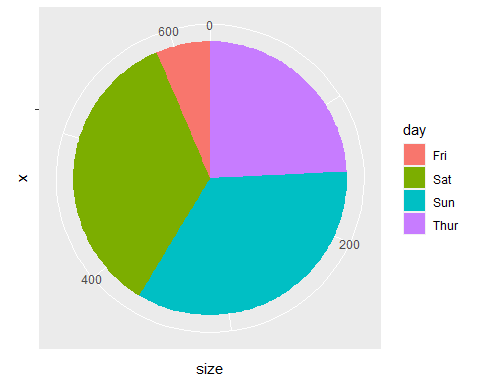
# The variable size in the dataset represents the size of the party eating at the restaurant.  
  
#2  
ggplot(data = tips) +  
 geom\_bar(mapping = aes(x = size, fill = "red")) +  
 ggtitle("Bargraph showing counts for tip size")



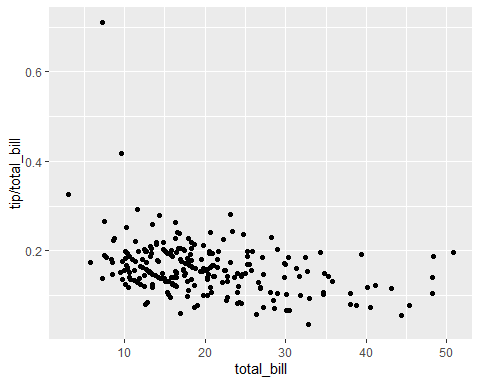
#3  
sb<- ggplot(data = tips, aes(x="", y = size, fill=day))+  
 geom\_bar(width = .5, stat = "identity")  
sb



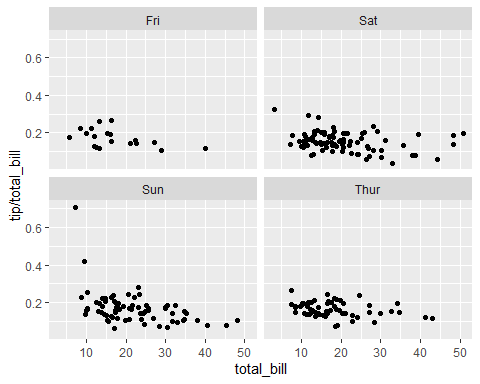
#4  
pie <- sb + coord\_polar("y", start=0)  
pie



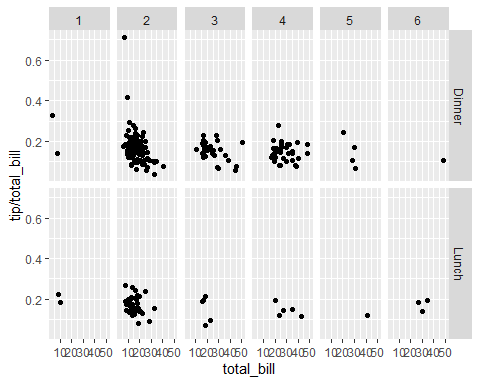
#5  
ggplot(data=tips) +  
 geom\_point(mapping = aes(x = total\_bill, y=tip/total\_bill))



#6  
ggplot(data=tips, mapping=(aes(x=total\_bill, y=tip/total\_bill))) +  
 geom\_point() +  
 facet\_wrap(~day)



#The day with the most extreme outlier is Sunday  
  
#7  
ggplot(data=tips) +  
 geom\_point(mapping=(aes(x=total\_bill, y=tip/total\_bill))) +  
 facet\_grid(time~size)



#The most populated at dinner time with a size of 2.