trial

Masha

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## R Markdown

library(ggplot2)

## Warning: package 'ggplot2' was built under R version 3.6.2

NutritionData = NutritionData <- read.csv("C:/Users/fb8502oa/Desktop/Github stuff/TRIAL-/NutritionData.csv")  
#View(NutritionData1)  
 names (NutritionData)

## [1] "Location" "ItemName" "Type" "Calories"   
## [5] "TotalFat" "SatFat" "Cholesterol" "Sodium"   
## [9] "Carbohydrates" "Fiber"

str(NutritionData)

## 'data.frame': 307 obs. of 10 variables:  
## $ Location : Factor w/ 9 levels "BurgerKing","Dominos",..: 1 1 1 1 1 1 1 1 1 1 ...  
## $ ItemName : Factor w/ 305 levels "6BMT","6ColdCutTrio",..: 302 305 102 103 303 304 140 56 97 98 ...  
## $ Type : Factor w/ 10 levels "Beef","Breakfast",..: 1 1 1 1 1 1 1 1 1 1 ...  
## $ Calories : int 640 730 870 960 420 460 330 380 600 640 ...  
## $ TotalFat : int 39 46 56 63 24 28 15 19 36 39 ...  
## $ SatFat : int 14 30 25 30 7 9 5 8 15 17 ...  
## $ Cholesterol : int 90 115 170 195 60 75 55 65 135 145 ...  
## $ Sodium : int 870 1350 940 1420 530 770 530 770 1060 1240 ...  
## $ Carbohydrates: int 45 46 45 46 29 29 28 28 28 28 ...  
## $ Fiber : int 3 3 3 3 2 2 1 1 1 1 ...

#question 4  
#4. Create a scatterplot of total fat by saturated fat for each type. Also, color the points according to location.  
ggplot(data=NutritionData)+  
 geom\_point(mapping = aes(x=SatFat, y=TotalFat,color=Location))+  
 facet\_wrap(. ~ Type, ncol=4)

