

Homework 1

Byteflow Dynamics

10/1/2017

Homework assignment

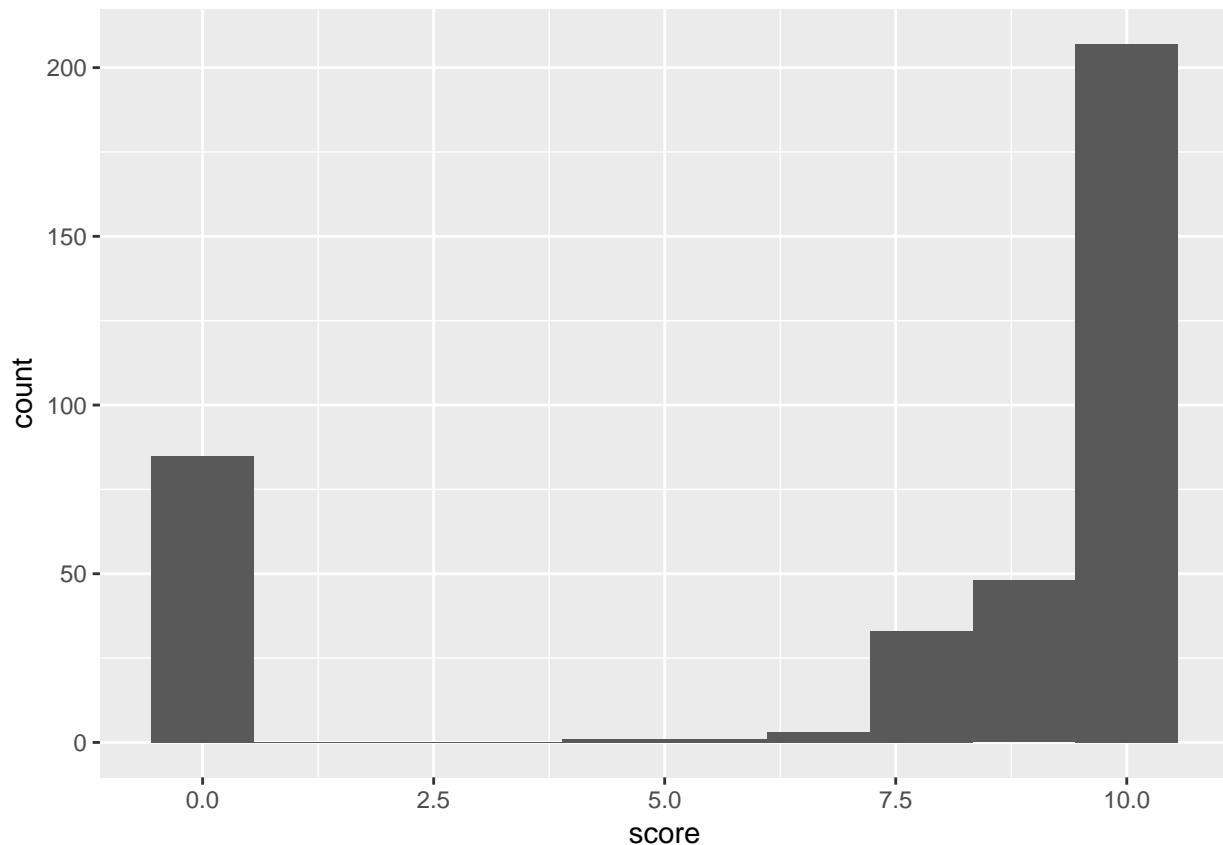
1. Tidy the lecture grade dataset

Hint: use key = “type” and value = “score”

```
lec <- read.csv("lecture_grades.csv", stringsAsFactors = FALSE) %>%  
  gather(4:13, key = "type", value = "score")  
lab <- read.csv("lab_grades.csv", stringsAsFactors = FALSE) %>%  
  gather(4:17, key = "type", value = "score")  
  
lec[is.na(lec)] <- 0  
lab[is.na(lab)] <- 0
```

2. Make a histogram of all the lab scores

```
ggplot(data = lab) +  
  geom_histogram(mapping = aes(x = score), bins = 10)
```



3. Combine the two data frames by rows into one data frame and save it as a csv file

```
scores <- rbind(lab, lec)
write.csv(scores, "scores.csv")
```