In 17th

I following the learning guide, mainly read chapter 2:Sampling and Data Structures and watch the YouTube Video Resources, and trying to finish Discussion Forum Unit 2.

In 20th

I finished Assignment Unit 2 and quiz, there are few confused problems, I mix up the concept about number of frequency and frequency, it may cause answer wrong when I attempt quiz.

I’m work on night shift and study in afternoon, in this week I was spend one day camping with friends, lucky and unlucky the weather too bad, we go home earlier, so that I could put more time on finish the study task.

2. Vocabulary and R funtions

a)

work.hours <- c(5,6,3,3,2,4,7,5,2,3,5,6,5,4,4,3,5,2,5,3)

> table(work.hours)

work.hours

234567

353621

b)

> freq <- table(work.hours) > freq  
work.hours  
234567

353621  
> sum(freq)  
[1] 20  
> freq/sum(freq) work.hours

2 3 4 5 6 7

0.15 0.25 0.15 0.30 0.10 0.05

c) frequency is a counted number， relative frequency is a percentage number or decimal (frequency of sum)

3.More Practice with R

a)

> getwd()

[1] "/Users/shengchaoli/Desktop/UofPeople Assignment/Introduction to Statistics/IntroStat"

b)

> ex.1 <- read.csv('ex1.csv')

> View(ex.1)

> summary(ex.1)

id sex height

Min. :1538611 Length:100 Min. :117.0

1st Qu.:3339583 Class :character 1st Qu.:158.0

Median :5105620 Mode :character Median :171.0

Mean :5412367 Mean :170.1

3rd Qu.:7622236 3rd Qu.:180.2

Max. :9878130 Max. :208.0

**Reference:**

Yakir, B. (2001). Introduction to statistical thinking (with R, without Calculus). The Hebrew University of Jerusalem.