

Stats 13 Lab Assignment 3

Due on Oct 25th

Please use R code to implement the following statements. After you finish, submit the R scrip file to CCLE under week 4.(The data that you need to use is cdc.csv in ccle)

- (1) Create a boxplot to show people's desire weight in this data set.
- (2) Use which() function to drop all desire weights bigger than 250.
- (3) Conduct a hypothesis test on wt desire with significance level 0.05:

H0: population mean of wt desire is equal to 154.4

Ha: population mean of wt desire is not equal to 154.4

Please calculate the p value and write down if you can reject H0 in the comments (after #).

Hint: Use t distribution and try 2*pt(...).

End here the next question is optional

- (4) Conduct a hypothesis test on wt desire with significance level 0.05:

H0: population mean of wt desire is equal to 153.7

Ha: population mean of wt desire is not equal to 153.7

Please calculate the p value and write down if you can reject H0 in the comments (after #).

Hint: Use t distribution and try 2*(1-pt(...)).