

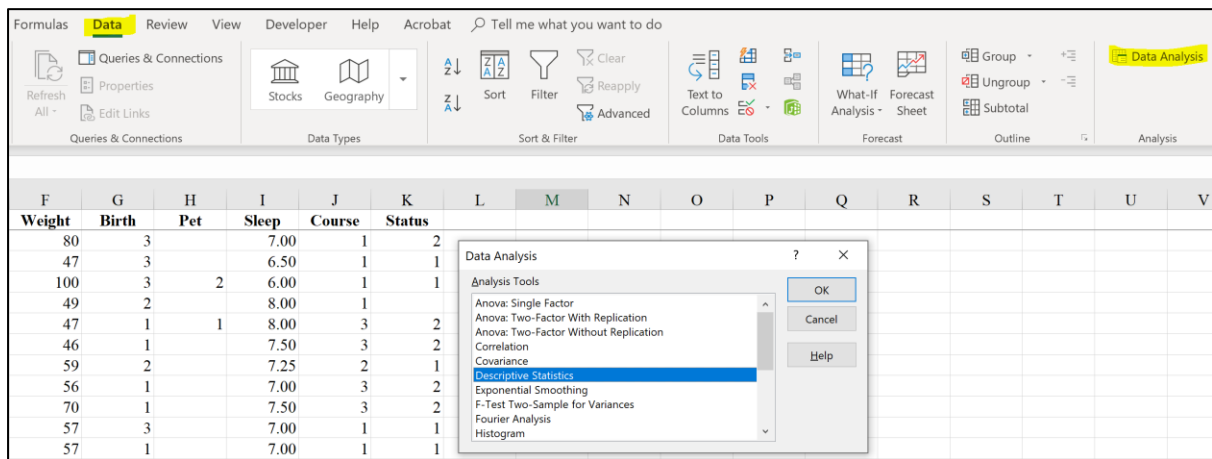
ISYS3401 – IT Evaluation

Week 2 – Class Activities

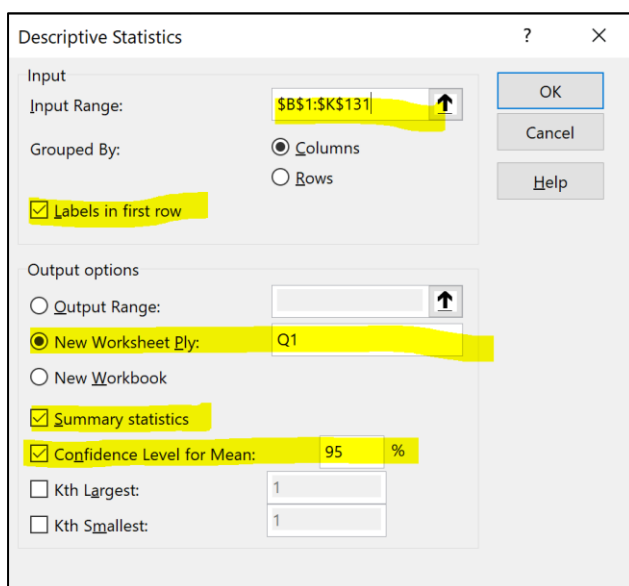
Question 1

Display and examine Descriptive Statistics for all the columns.

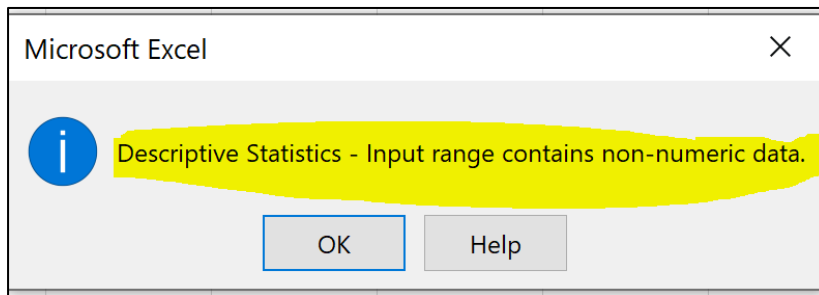
- Open Students Data 2019.xlsx
- Copy <Student Data 2019> sheet to <Working Data>, and you use <Student Data 2019> sheet as a backup in case you did something wrong.
- In the <Working Data> sheet, run Descriptive Statistics option - select Data menu, and then Data Analysis in Analysis tab, and then select Descriptive Statistics:



- Select the parameters as shown below:



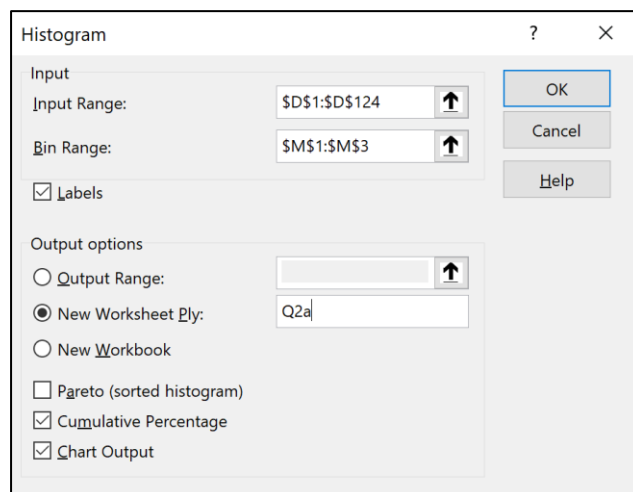
e. Did you get this message? Why?



- f. Describe how you would handle missing values, and how are you going to fix this problem?
- g. Fix the problem(s) you have in (f) till you can run the Descriptive Statistics.
- h. Calculate the Lower Bound and Upper of Confidence Level.
- i. Now, look at the numbers:
 - 1) Do they make sense to you?
 - 2) Do you have any questions on these numbers?
 - 3) What action(s) you might take?
- j. Clean the data and then run Descriptive Statistics again, compare the differences.

Question 2

- a. Show a Histogram between Male Versus Female. (Hint: you need to create a range, and you selection looks similar to below):



- b. Compare the distribution of AGE compare between Male and Female using Descriptive Statistics. (Hint: you need to do sorting first)

Question 3

What is the difference between population and sample?

What is the difference between population mean and sample mean?