

STAT 269 - Introductory Statistics

Minitab Homework 1 (Unit 1 Part 2)

- Once you have formed your group, or decided to work alone, send Dr. Wilcock an email or Canvas message with the names of all 1-3 students in your group. Now you are ready to start the assignment. **Do not start the assignment until you have completed this step!**
- Click on the Start menu, and choose “All Programs”.
- Look for Minitab 18. If it is there, click to open.
- If not in the program list, look for Software Center on the main desktop. Open this, then look for Minitab and click to install it. Minitab should automatically open once this is complete. If it does not, follow the previous instructions to open it from the start menu.
- Enter the data from class in C1 of the worksheet. Be sure to give the column an appropriate title.
- Note: If the data were not already sorted, you could sort it by clicking on the ”Data” menu and then choosing “Sort”.
- Select “Stat”, then “Basic Statistics” and “Display Descriptive Statistics”.
- Enter C1 in the “Variables” box, and leave the “By variables” empty.
- Click the “Statistics” button, and select all of the measures we have discussed in class. Make sure to uncheck any measures that Minitab defaults to that we have not covered. When you are done, check OK and then OK again.
- Next, we will use Minitab to verify the variance.
- Click “Editor” and select “Show Command Line”.
- At the “MTB>” prompt type “let C2=C1-mean” where you should put the value Minitab gave for the mean in the work above. (Do not type the quotes.) Press Enter. You should see the new information in C2 of the worksheet.
- Now at the new “MTB>” prompt type “let C3=C2**2” and press enter. This will square the previous result.
- Type “let k1=sum(C3)” and press enter (you will not see any visible evidence that anything happened). Now, type “print k1” (again, without the quotes) and press enter. This will print K1 in the main session window. K1 is the sum of the squared values.
- Type “let k2=k1/(n-1)” where you put in the n value for this data. Now print k2.
- Hover over the Data Display box, and click on the “Menu” option. Click “Add Note” and then use this space to add a comment comparing your K2 value to the value Minitab gave for the variance.
- Click on “File” and choose “Save Project As”. Save the file somewhere where you can find it and use the filename “Minitab1”. This will save with an MPJ extension.
- In Canvas, go to the Minitab 1 assignment and click to submit the assignment and upload the file that you just saved.