STAT 269 - Introductory Statistics
Minitab Homework 3 (Unit 2 Part 1)

- Once you have formed your group, or decided to keep your previous group, send Dr. Wilcock an email or Canvas message to confirm your group members **either way**! Now you are ready to start the assignment. **Do not start the assignment until you have completed this step!** This will be the last time I ask for this, as I will assume that groups have settled into place and will stay constant from this point on.

- Open Minitab.

- In the "Worksheet" at the bottom of the screen, input the names of 15 friends. First name is fine, but you should use the last/family name initial to distinguish friends with the same first name. In the first line type "Friends" as a title for the column.

- Click on the "Calc" option, and choose "Random Data".

- At the top of the list, you should see "Sample From Columns", choose that option.

- Choose to sample 10 rows, tab to the "From Column" and enter either C1, 'Friends', or click on C1 in the options box on the left.

- Tab again and tell Minitab to store the sample C2. Press OK.

- Repeat the sampling and store the results in C3 and C4.

- Now repeat the sampling, but check the "Sample with Replacement" box. Store the results in C5, C6, and C7.

- Note any difference between the types of samples that you can achieve with the two methods.

- Save the Minitab project as "Minitab3". This will automatically save with a .MPJ extension (Minitab3.MPJ).

- In Canvas, go to the Minitab 3 assignment and click to submit the assignment and upload the file that you just saved. In the comment box, enter a sentence or two explaining what you think the difference between sampling "with replacement" and "without replacement" is. You **must** upload **both** a file and a comment for full credit.