

**DUE: 10/19 before class**

**MATLAB:**

- Develop a null hypothesis for VO<sub>2</sub>max and biological sex.
- Run the Matlab code for the data we collected from the whole class.
  - You can manually change M/F to numbers in excel.
  - Learn more about cell format in Matlab:  
<https://www.mathworks.com/help/matlab/ref/cell.html>
- Use Publishing function

**IN YOUR CODE ANSWER FOLLOWING QUESTIONS (preferably in the end):**

- What is your Null Hypothesis? What is your Alternative Hypothesis?
- What are the results of the t-test?
- Were the means of the groups found to be statistically significantly different?

**SUBMISSION:**

- Use Publish command in MATLAB to run the script and save it in PDF format.
- Failing to do so will result in 0 on the worksheet.