

## LAB 1G: What's the FREQ?

Directions: Record your responses to the lab questions in the spaces provided.

Clean it up!

How do we summarize categorical variables?

Frequency tables?

- Fill in the blanks below to answer the following: **How many more *females* than *males* are there in our ATU data?**

2-way Frequency Tables

- Does one gender seem to have a higher occurrence of physical challenges than the other? If so, which one and explain your reasoning?
- Use a line of code, that's similar to how we facet plots, to obtain a tally of the number of people with physical challenges and their genders.

Interpreting 2-way frequency tables

- Does one gender seem to have a higher occurrence of physical challenges than the other? If so, which one and explain your reasoning?
- Did your answer change from before? Why?

### Conditional Relative Frequencies

- Add the option format = “percent” to the first tally function. How were the percents calculated? Interpret what they mean.

### On your own

- Describe what happens if you create a 2-way frequency table with a numerical variable and a categorical variable.
- How are the types of statistical questions that 2-way frequency tables can answer different than 1-way frequency tables?
- Which gender has a higher rate of *part time employment*?