What am I doing?

Unit 1 - Lab 9

Directions: Follow along with the slides and answer the questions in **BOLDED** font in your journal.

What am I doing?

- In this lab, you'll be analyzing your class' time-use data.
- Some reminders:
  - Remember to **share your data** using the Web Front End, if you haven't already.
  - Look at **lab 1.6: Download, Upload, Load** for help loading your data.
  - Name your data **my_atus** to help distinguish it from the larger **atus** data set.

Formatting your data

- Your data was collected over 5 days
  - We'll average how each person spent their time over those 5 days.
  - This lets us make comparisons with you and your classmate's **typical** day.
- To format your data (assuming you named it **my_atus**), type the following command:

```
my_atus <- atus_format(my_atus)
```

Get aquainted with the data

- Now that your data has been formatted, let's take a look at it

```
View(my_atus)
```

- **How many observations are in your data?**
  - **How many students are in your class?**
- **Compare the values of *grooming* for the first two observations**
  - **Who *typically* spent more time grooming?**

And away you go. . .

- Using the techniques you've learned thus far:
  - **Pick a 3-4 variables to investigate**
  - **Create approriate single variable plots and interpret them.**
  - **Create appropriate multiple variable plots and interpret them.**
  - **Tally some frequency tables and make some conclusions about your classes data**.
- **Write down a fact from your analysis you found most interesting and why.**