Name_____   Date_____

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

Messy data? Get used to it

Messy data?

The American Time Use Survey

Load and go:

- **Just by viewing the data, what parts of our ATU data do you think need cleaning?**

Description of ATU Variables

New name, same old data

- **Write down the new names you chose for the rest of the variables in `atu_dirty`.**

Next up: Strings

Numbers are words? (Sometimes)

- **Write down the variables that should be *numeric* but are improperly coded as *strings* or *characters*.**

Changing strings into numbers

Mutating in action

LAB 1F: A Diamond in the Rough
Response Sheet

Deciphering Categorical Variables

Factors and Levels

- **Use similar code as we used above to write down the levels for the three factors in our data.**

A level by any other name...

Allow me to explain

Finish it off!

The final lines

Flex your skills