Name:_____ Date:_____

LAB 1F: A Diamond in the Rough
Response Sheet

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:

(1) 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

(2) Write down the new names you chose for the rest of the variables in `atu_dirty`.

Next up: Strings

Numbers are words? (Sometimes)

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

Changing strings into numbers

Mutating in action

(4) Look at the variables you thought should be *numeric* and select one. Then fill in the blanks below to see how we can correctly code it as a number:

```
atu_cleaner <- mutate(atu_cleaner,
                      age = as.numeric(age),
                      __________ = as.numeric(__________))
```

Name:_____ Date:_____

LAB 1F: A Diamond in the Rough
Response Sheet

Deciphering Categorical Variables

Factors and Levels

(5) 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

(6) Write and run code using the `as.factor()` function to convert `healthy_level` into a categorical variable and re-run the `histogram` function.

(7) Write and run code to recode the `healthy_level` categories and re-run the `histogram` function.