

# data.frames I - Nunavut Exercise

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1. Create a “metadata” CSV file that corresponds to the `PG008_original.xlsx` data file. [Note that the variables in this file are *slightly* different than the variables in the data file used in the handout. I suggest you start with the metadata file used in the handout and modify it to match the variables in the `PG008_original.xlsx` Excel file.] Save this file in the same directory as the corresponding data file.
  2. Load the `PG008_original.xlsx` file into a `data.frame` object and change the variable names and types to more readily useable.
    - a. How many variables are recorded in this `data.frame`?
    - b. How many individuals are recorded in this `data.frame`?
    - c. What is the name and data type for the fifth variable? Does the data type make sense? Does the number of levels for this variable make sense?
    - d. What is the name and data type for the second variable?
    - e. Demonstrate how to access all of the fork length (`fl`) measurements.
    - f. Demonstrate how to see the fifth fork length measurement.
    - g. Demonstrate how to see the fork length measurements for all fish captured in 2002.
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