data.frames II - Walleye Exercise

Load the `WalleyeErie2.csv` file into a data.frame object and answer the following questions. *Make sure to provide some evidence to support that your filter/subset was successful.*

1. Remove the `setID` and `grid` variables.

2. Add variables that convert the `tl` measurements from mm to inches and the `w` values from grams to pounds.

3. Add a new variable that records the sex of the fish as `M` for "male" and `F` for "female."

4. Add a new variable that contains the capture year as a factor-type variable. How many levels of this variable are present in the data.frame? What are they?

5. Create a new data.frame that contains only male fish. [*Show two ways to create this data.frame.*]

6. Create a new data.frame that contains all fish captured in 2005, 2009, and 2013.

7. Create a new data.frame that contains only female fish captured in 2010.

8. Create a new data.frame that contains only female fish larger than 750 mm.

9. Create a new data.frame that contains only males captured in 2013 for which a weight was NOT recorded.

10. Create a new data.frame that contains only males for which an age WAS recorded.

11. [*Time permitting*] Create new data.frames of your choosing.