data.frames II

Exercise - Nunavut

Answer the following questions by creating an R script and iteratively running the code in RStudio. For the filtering/subsetting questions, make sure to provide some evidence to support that your filter/subset was successful.

1. Load the `WalleyeErie2.csv` file into a data.frame object and answer the following questions.
    a. For this application, remove `locAKA`, `gonad.prsrvd`, `finclip` through `gillarch.frozen`, `lat` through `sky`, `remarks` and `dbedits`.
    b. Add variables that convert the `FL` measurements from mm to inches and the `wt` values from grams to pounds.
    c. Add a new variable that records the sex of the fish as `male`, `female`, and `unknown`.
    d. Add a new variable that contains the capture year as a factor-type variable (*you may have already done this*). How many levels of this variable are present in the data.frame?
    e. Create a new data.frame that contains only male fish. [*Show two ways to create this data.frame.*]
    f. Create a new data.frame that contains all fish captured in 2006, 2010, and 2013.
    g. Create a new data.frame that contains only females captured in 2010.
    h. Create a new data.frame that contains only female fish larger than 750 mm.
    i. Create a new data.frame that contains only males captured in 2002 for which an age was NOT recorded.
    j. Create a new data.frame that contains only males for which an age WAS recorded.
