

# data.frames II - Nunavut Exercise

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Load the `PG008_original.xlsx` 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 `locAKA`, `gonad.prsrvd`, `finclip` through `gillarch.frozen`, `lat` through `sky`, `remarks` and `dbredits` variables.
  2. Add new variables that convert the `fl` measurements from mm to inches and the `wt` values from grams to pounds.
  3. Add a new variable that records the sex of the fish as `male`, `female`, and `unknown` (rather than `M`, `F`, and `U`).
  4. 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`? 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 2006, 2010, 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 2002 for which an age 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.
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