Question 1.30

- a. The IVPPSS is ...
 - Individual a Rusty Crayfish in the lake with Smallmouth Bass in 2012
 - Variable carapace length of Rusty Crayfish
 - Population all Rusty Crayfish in the lake with Smallmouth Bass in 2012
 - Parameter mean carapace length of all Rusty Crayfish in the lake with Smallmouth Bass
 - Sample 235 Rusty Crayfish in the lake with Smallmouth Bass in 2012 that were actually examined
 - Statistic mean carapace length of 235 Rusty Crayfish in the lake with Smallmouth Bass in 2012
- b. Carapace length is a continuous quantitative variable.

Question 1.31

- a. IVPPSS is ...
 - Individual a ballast tank on an ocean-going vessel in 2001.
 - Variable whether or not the tank contain any living organisms.
 - Population all ballast tanks on ocean-going vessels in 2001.
 - Parameter proportion of all ballast tanks that contained living organisms.
 - Sample 43 ballast tanks in 2001.
 - Statistic proportion of 43 ballast tanks that contained living organisms.
- b. Whether or not the tank contains any living organisms is a nominal categorical variable.

Question 1.32

The concentration of lead is a continuous quantitative variable.

Question 1.33

The risk rating is an ordinal categorical variable.

Question 1.34

The information type is a nominal categorical variable.

Question 1.35

The Koppen scheme is a nominal categorical variable (unless you "see" an order (e.g., decreasing temperature?) among the categories, in which case it would be an ordinal categorical variable).

Notes from the Professor

• Make sure you follow the directions for formatting your homework found here – including (1) making sure to include and sign the "Honor Statement", using complete sentences, not double-spacing results

- in tables, and making sure that tables and figures are labeled and referred to as described here. Failure to do so will result in missed points on the next homework.
- In question 1.31, the individual is not a vessel because multiple ballast tanks were sampled from some vessels
- Recall that we will call a categorical variable with only two levels a nominal variable. More specifically, this is a binomial variable.