Week 5: Exploring Data

Session 1

Spring 2020

iClicker quiz: Question 1

Which of the following should I use to read the file `mydata.csv` into a data frame called `dat` in R?

A ‘dat = read.csv(mydata.csv)‘

B ‘read.csv(mydata.csv)‘

C ‘dat = read.csv("mydata.csv")‘

D ‘read.csv(mydata.csv, row.names = 1)‘

E ‘read.csv("mydata.csv")‘

iClicker quiz: Question 2

Which symbol do we use to represent the **sample mean**?

A σ

B $\bar{s}$

C $\bar{x}$

D μ

E $\bar{m}$

iClicker quiz: Question 3

Which symbol do we use to represent the **population mean**?

A σ

B $\bar{s}$

C $\bar{x}$

D μ

E $\bar{m}$

iClicker quiz: Question 4

Which of the following lines of code will make a scatterplot of the dataframe with length on the x-axis and mass on the y-axis?

```
##       length      width mass
## 1 0.4743281 0.06527579   42
## 2 0.9476488 1.64828426   40
## 3 0.7825531 0.02213219   40
```

A `plot(dat$mass, dat$length)`

B `scatter(dat$length, dat$mass)`

C `boxplot(dat$length, dat$mass, type = "p")`

D `dotplot(dat$length, dat$mass)`

E `plot(dat$length, dat$mass)`

Announcements

Some students were not included in salamander description groups.

Please verify your group membership and check the Moodle gradebook.

Bear peer-feedback forms

Announcements

This is a short week.

Chapter 4 has a lot of important information.

We'll continue chapter 4 materials into next week.

The pre-class exercises for next week will include reading questions from chapters 4 and 5.

Questions from the salamander exercise:

- What is SVL?
- Why is there a `$` in `mander`?
- How is *central tendency* related to the *spread*?
- How do we define *quartiles*?
- Loading data files into R
- In-class R instruction