Week 5: Exploring Data
Session 1

Spring 2020

Which of the following appears Normally-distributed?

A **B** **C**
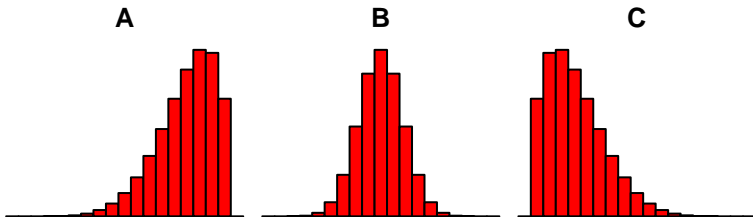
What is the **median** value of the following sequence of numbers?

$$5, 5, 6, 6, 8, 8, 9, 10, 10, 13, 14, 14, 21$$

A 11

B 9.5

C 8

D 9

E 10

iClicker quiz: Question 3

What is the **3rd Quartile**, also known as the **75th percentile**, rounded to the nearest integer, of the following sequence of numbers?

$$0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12$$

A 6

B 7

C 9

D 11

E 12

i‣clicker.

Announcements

Salamander groups

- Some students were not included in salamander description groups.
- Please verify your group membership and check the Moodle gradebook.

Bear peer-feedback forms

- Extended until tomorrow night.
- Future peer-feedback form deadlines will be enforced.

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.
- ▶ Short lecture today
  - ▶ I want to have time for the in-class group activity.

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

Sample Statistics

What are two ways to summarize a collection of numbers?

- ► Central tendency
- ► Dispersion

Why do we call these *statistics*?

Distributions

What are key features of the **Normal Distribution**?

What is the **Uniform Distribution**?

Group Activity: Random numbers

Self-select groups of 3 or 4.

Follow the instructions on Moodle.

Submit a single report for the group.