Week 4: Data Management

Session 1

This Week

Session 1

- ▶ What happened last week?

Important pieces of data entry

- ▶ What to record?
- ▶ Who, what, where, when
- ▶ Variable of interest (dependent)
- ▶ Other variables (independent and explanatory)

Plan to do data entry! Create all the necessary data entry sheets for Wednesday

Wednesday Collecting and data entry exercise – outside!

Why do we sample?

Important aspects of data collection

Which is NOT a reason to always collect: who, what, where, when with your other variables?

A It means you sampled correctly and without bias

B It allows the data to be used for multiple purposes

C It ensures that the data you collect can be checked for accuracy

D It means that you won't forget some important aspect of the data

E It allows someone else to repeat the exercise exactly

i-clicker.

What to record: The basics

The basics:

1. Who recorded the data
2. What is the sampling unit
3. Where was the data recorded
4. When was the data recorded

What to record: Variables

Variables:

1. Response Variable
    1.1 the variable of interest you are trying to estimate
    1.2 similar to/or sometimes called the "dependent variable"
2. Explanatory Varibales
    2.1 Variables that influence the response variable
    2.2 similar to/or sometimes called the "independent variables" or "predictor variable"

Linear model example