

Week 4: Data Management

Session 2

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



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 Variables

- 2.1 Variables that influence the response variable

- 2.2 similar to/or sometimes called the “independent variables” or “predictor variable”

Linear model example