

Goals + objectives for first tutorial

- Introductions
- Discuss the assignments + exams (tips slide)
- Discuss goal of tutorials and expectations of students
 - Goal: "To prepare you for the assignment and exams by working thro and discussing practice problem sets, which is aimed at developing your ability to take data, see what is going on based PURELY on the data, interpret it, then bring in your knowledge and experience."
 - Expectations: "Go thro the practice problem sets assigned for each tutorial so you can come and have a thorough discussion of how to think about and work thro the problems."
- Go over components of research
 - Hypothesis, design, collect, analyze, interpret, assimilate with previous knowledge

Activities

- Whole group go over what are components of research (name off the components)
- Break up into groups, each doing one component and discuss important aspects of it (~20 students = 20/5 topics = 4 students/topic)
 - Design: controls, within vs between, epidemiological, RCTs, advantages, disadvantages, who are the groups
 - Collection: Validity, accuracy, reliability, what is trying to be measured
 - Analyze: Statistics, comparison groups, significance
 - Interpretation: How to interpret, what does statistics mean in context of interpreting
 - Assimilation: Combine with previous knowledge