

Activity 1: Groups: Individually, read and try to answer the Quick Quiz, p. 307, questions 1 – 5. Then, in groups, discuss your answers. For the “jargon” words here, try to explain them to each other. Look at the definitions in the yellow boxes through the section as needed.

Activity 2: Groups. Do the same thing for questions 6 – 10.

Activity 3: Groups. Read the information in the orange boxes on pages 297-298. Then do exercises 19 and 23.

Class Discussion:

Types of studies. (How are they different? Why do we need all of these types?)

- Observational Studies (based on samples)
- Experiments
- Case-Control Studies

Sampling methods (How are they different? Why do we need all of these types? Which are likely to give representative samples?) List the types from p. 300.

Representative

Non-representative

Activity 4: Groups: Do 37, 38, 41, 42, 43, 44.

Activity 5: Groups. Read the orange boxes on pages 302-304 about bias in a statistical study and the various ideas related to designing experiments. Discuss these meanings with each other and explain them to anyone in your group who feels that they need more explanation. Then discuss how you would design a study for exercise 44 that addresses as many of these ideas as you can.

Activity 6: Groups. Do 9, 10, 11, 12, 13, 14, 15

HW 12 and Quiz 12: Due April 17 at the beginning of class

5A 1-8, 15, 21, 27, 29, 31, 33, 35, 39, 45, 47, 50, 51, 52, 55, 57, 59

5B 1-4, 9, 11, 17, 21, 23, 29, 31, 35, 39, 43

Quiz 12: 5A: 28, 30, 32, 34 5B: 12, 32, 46ab