

**Activity 1:** Individually, think about what might make you distrust the results of a statistical study. Write down a few ideas here.

**Activity 2:** Groups. Talk with each other about your answers in Activity 1. Did this give you more ideas? Or make you change your mind about any of yours? Write more in the space above to reflect your current thinking.

**Activity 3:** Groups. Do exercises 13, 15, and 19. Then look at the statements in the book of Guidelines 3, 4, and 6. Talk with each other about the new words in the statements of the guidelines. Discuss whether these guidelines are relevant to the three problems you just did.

**Activity 4:** What are confounding variables? Read Guideline 5. Discuss exercise 18. What if the study in 18 had monitored eating only? Would you have thought that exercise might be a confounding variable?

**Activity 5:** Read Guideline 8 and discuss exercise 8. Is anything about guideline 8 relevant? Then discuss exercise 22.

**Activity 6:** Read Guidelines 1 and 2. Discuss exercise 14. Discuss exercise 22. Discuss exercise 45.

**Activity 7:** Read Guideline 7. Think about exercise 22. Do you think it would be particularly helpful to have more details about the actual data – maybe a graph of it? Why or why not?

**Activity 8:** Do exercises 5 and 36.

**Activity 9:** Now, close your book and look back at Activity 1 at the beginning of today's handout. On the back of today's handout, write (summarize) as many different things as you can remember as reminders of what to look for in deciding whether to trust the results of a statistical study.

(Later you can go back with your book and take notes to be more comprehensive. Now is the time to see which ones really got your attention. That will help you know to pay a bit of additional attention to the others when you study.)