

**9. Out-of-class activity** Obtain simple random samples of cars in the student and faculty parking lots, and test the claim that students and faculty have the same proportions of foreign cars.

**10. Out-of-class activity** Obtain simple random samples of cars in parking lots of a discount store and an upscale department store, and test the claim that cars are newer in the parking lot of the upscale department store.

**11. Out-of-class activity** Obtain sample data and test the claim that husbands are older than their wives.

**12. Out-of-class activity** Obtain sample data to test the claim that in the college library, science books have a mean age that is less than the mean age of novels.

**13. Out-of-class activity** Conduct experiments and collect data to test the claim that there are no differences in taste between ordinary tap water and different brands of bottled water.

**14. Out-of-class activity** Collect sample data and test the claim that people who exercise tend to have pulse rates that are lower than those who do not exercise.

**15. Out-of-class activity** Collect sample data and test the claim that the proportion of female students who smoke is equal to the proportion of male students who smoke.

**16. Out-of-class activity** Collect sample data to test the claim that women carry more pocket change than men.