

4. Out-of-class activity Divide into groups of three or four students. Each group should survey other students at the same college by asking them to identify their major and gender. You might include other factors, such as employment (none, part-time, full-time) and age (under 21, 21–30, over 30). For each surveyed subject, determine the accuracy of the time on his or her wristwatch. First set your own watch to the correct time using an accurate and reliable source (“At the tone, the time is . . .”). For watches that are ahead of the correct time, record negative times. For watches that are behind the correct time, record positive times. Use the sample data to address questions such as these:

- Does gender appear to have an effect on the accuracy of the wristwatch?
- Does major have an effect on wristwatch accuracy?
- Does an interaction between gender and major have an effect on wristwatch accuracy?

5. Out-of-class activity Divide into groups of three or four students. Each student should go to a different fast-food restaurant (McDonald’s, Burger King, Wendy’s) and randomly select customers as they enter a line to place an order. Record the time from entering the line to picking up the completed order. Use a sample of at least 10 different customers. Use the same day of the week and the same time of day. Test for equality of the service times.