1. **Instructions**

In order to start the quiz you need to click on “Begin Quiz” (in green). Once you have answered all the questions, you click on “End Quiz” (in green). The tally of correct answers will appear. If you want to know which questions you answered correctly, just click on the “Correct” button (in grey). To retake the quiz click on “Begin Quiz” again.

2. **Quiz 1**

**Begin Quiz** Answer each of the following.

1. Which of the following is not a standard statistical assumption?
   - normality
   - interval scale
   - equal data
   - independence variances

2. Skewness is a symptom of an asymmetric distribution?
   - True
   - False

3. The Welch test is used when
Section 2: Quiz 1

one has data unequal unequal outliers
that isn’t sample sizes variances
normally distributed

4. The boxplot does all of the following except gives you information about
symmetry outliers overlap in the statistical
power of a hypothesis
distributions test

5. If statistical assumptions aren’t met for a particular data set, then a sensible course of action would be to
run a test that doesn’t make not analyze your bad data
that assumption

6. Which is not a measure of central tendency?
mean variance median mode

7. Why are variances pooled in the two-sample t test?
to increase to decrease get a better reduce bias
power Type I error estimate of the
rate population variance
8. Loosely speaking, a $t$ distribution occurs when one has . . . ?

- equal variances
- a ratio of variances
- a difference between two means
- an estimated divided by its standard error

End Quiz