

Checklist

What you should know

By the end of this subtopic you should be able to:

- complete the four stages of a hypothesis test:
 1. State the null and alternative hypotheses
 2. Calculate the test statistic
 3. Find the p -value
 4. State your conclusion
- find the expected values from a contingency table using the formula or a calculator
- calculate the χ^2 statistic with the formula and with a calculator
- understand the difference between a test for independence and a goodness of fit test and in what context to use each one
- use p -values to determine significance
- compare the means of independent sets of data using either a one- or two-tailed t -test.

