

Contingency tables

Understand the two different hypotheses for H_0 :

Comparing proportions

OR

Determining independence

Obviously, know how to carry out the test for contingency tables:

How do you calculate χ^2 ? How do you calculate your expected values?

What are your df . (or ν)? What is your comparison?

Make sure you can state your conclusions carefully.

Your conclusion should be phrased in terms of your original hypothesis.

If you reject, know how to figure out which direction things are going in (particularly for tests of independence)

E.g., do dark eyes go with dark hair or light hair?

As usual, know when and why a one sided test is appropriate, and know how to do a one sided test.

Make sure you know how to do $r \times k$ tables.

(Basically the same way as 2×2 tables).