

8 The chi-square test — Part 2 — Answers

Answers

Work through these after you have tried the questions yourself.

2.1 $\chi^2 = \sum \frac{(O - E)^2}{E}$.

2.2 the observed counts are far from what was expected (evidence of a real difference).

2.3 $\frac{(18 - 12)^2}{12} = \frac{36}{12} = 3$.

2.4 since $1.2 < 3.84$, do not reject – the differences are within chance.

2.5 the expected count, E .