

ForskPrak

CHEAC

OSOB

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Question 1

χ^2 calculations

$$\chi^2 = \sum_{i=1}^n \frac{(O_i - E_i)^2}{E_i} \quad (1)$$

$$2\chi^2 = \sum_{i=1}^n \frac{(2 \cdot O_i - 2 \cdot E_i)^2}{2 \cdot E_i}$$

Survival function; calculation of p-value from $\chi^2(x)$ and degrees of freedom (k)

$$sf(x, k) = \frac{1}{2^{k/2} \Gamma(k/2)} x^{(k/2)-1} \exp(-x/2)$$