

Statistical Inference for Categorical Data

Problem 1.

Python eggs. How is the hatch rate of python eggs affected by temperature. Researchers randomly assigned new python eggs to one of three temperatures. Here is data on the number of hatched eggs.

Condition	Hatched	Did not hatch	Total
Cold	16	11	27
Neutral	38	18	56
Hot	75	29	104
Total	129	58	187

- Compute the proportion hatched for each temperature.
- Use a chi-square test to test if the observed differences are significant.