

Chi Square for Survey Data

Method: Chi Square for Survey Data

Method type: hypothesis_test

Design: Pearson independence test for respondent sex and intention to pursue higher education.

Variables: sex, higher

Inference scope: H0: sex and higher-education intention are independent in the surveyed sample.

Formula: $X^2 = \sum((O-E)^2/E)$; $V = \sqrt{X^2/(n \cdot \min(r-1, c-1))}$.

Source rows: 649

Calculated metrics:

chi_square: 2.19332574824506

df: 1

p_value: 0.138609744948549

cramers_v: 0.0581338679898854

n_cases: 649

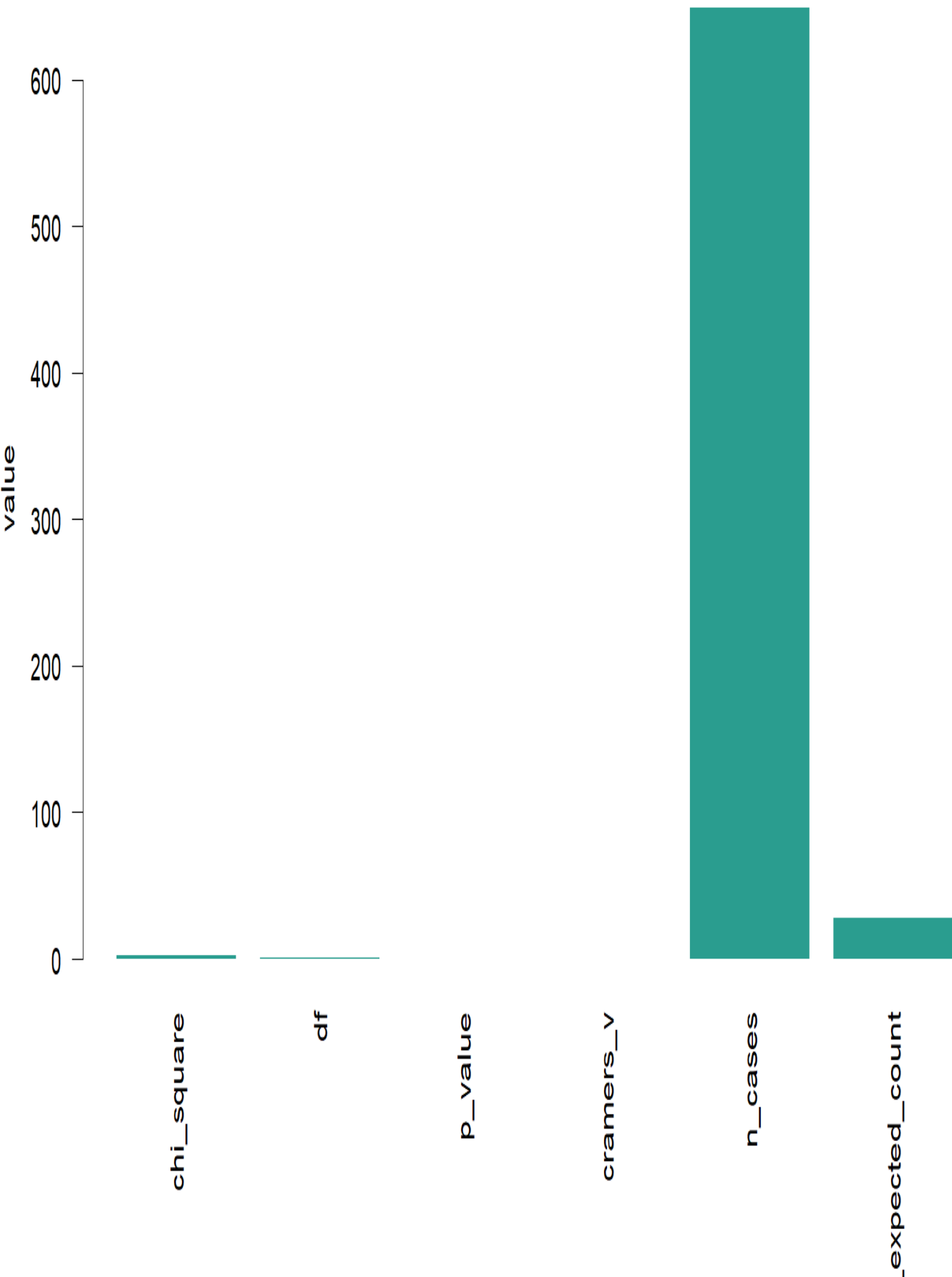
minimum_expected_count: 28.2804314329738

Interpretation:

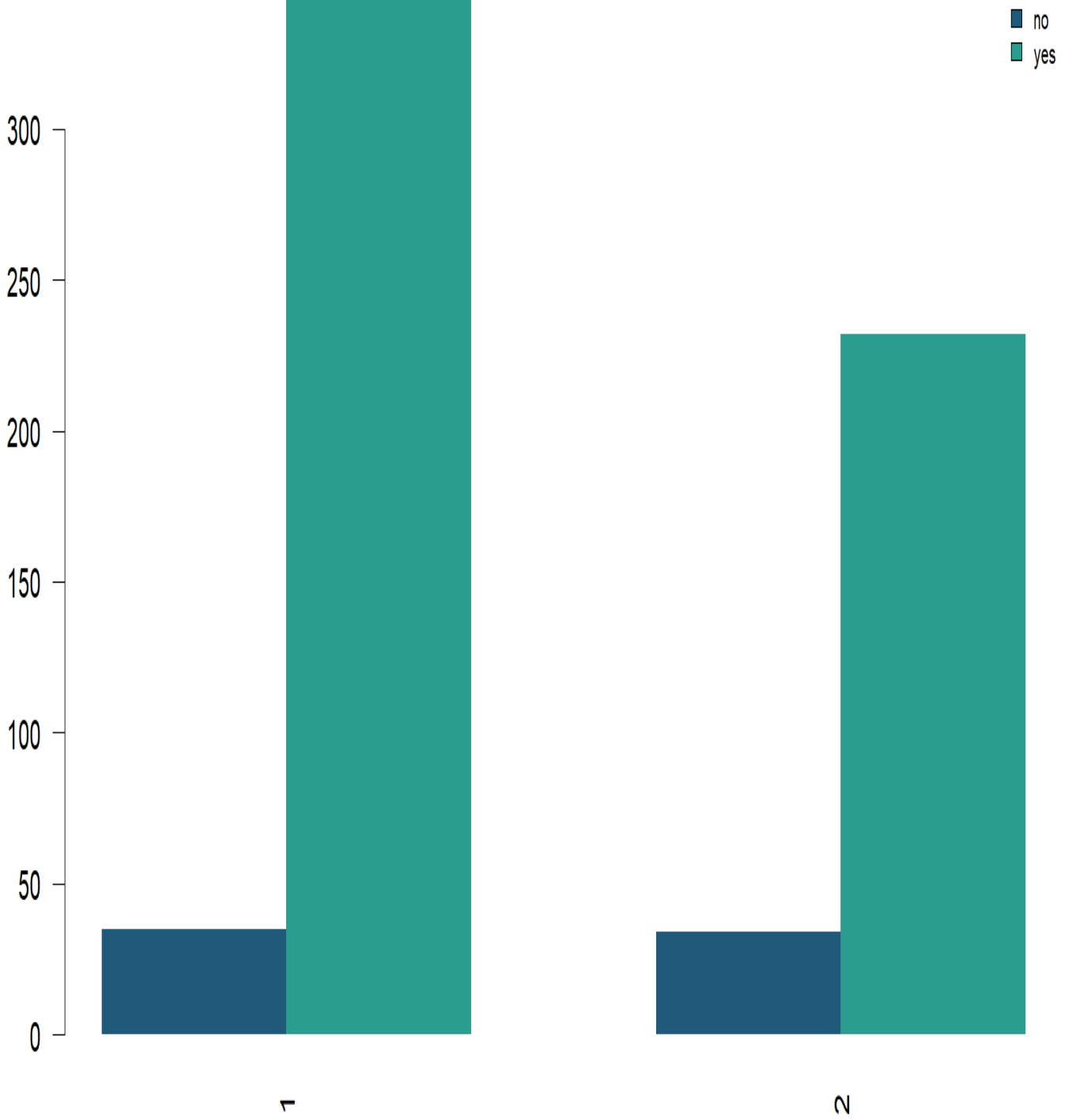
Pearson independence uses the full sex-by-higher table.

Chi-square 2.19332574824506 Cramer's V 0.0581338679898854

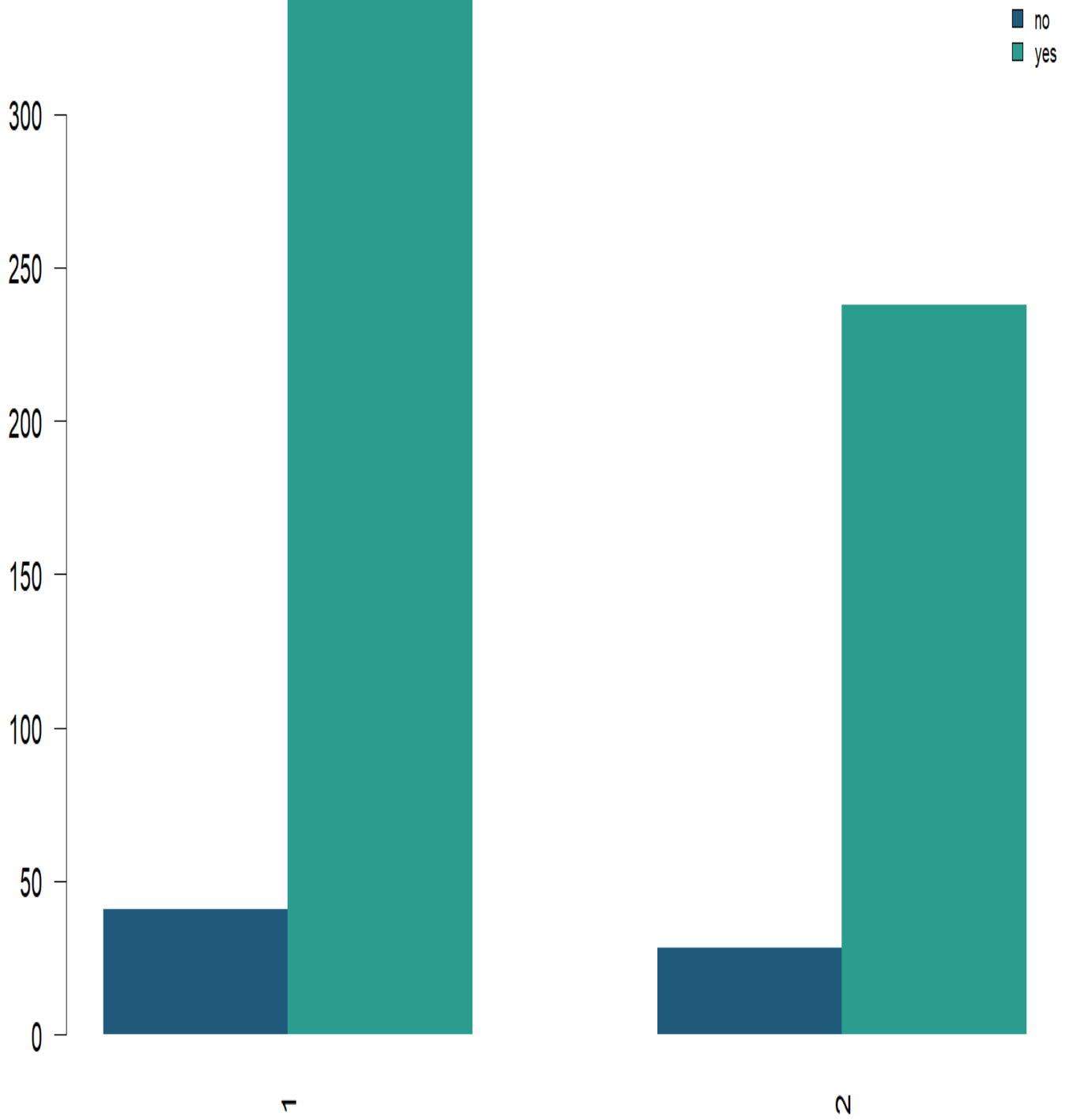
Chi Square for Survey Data - primary metrics



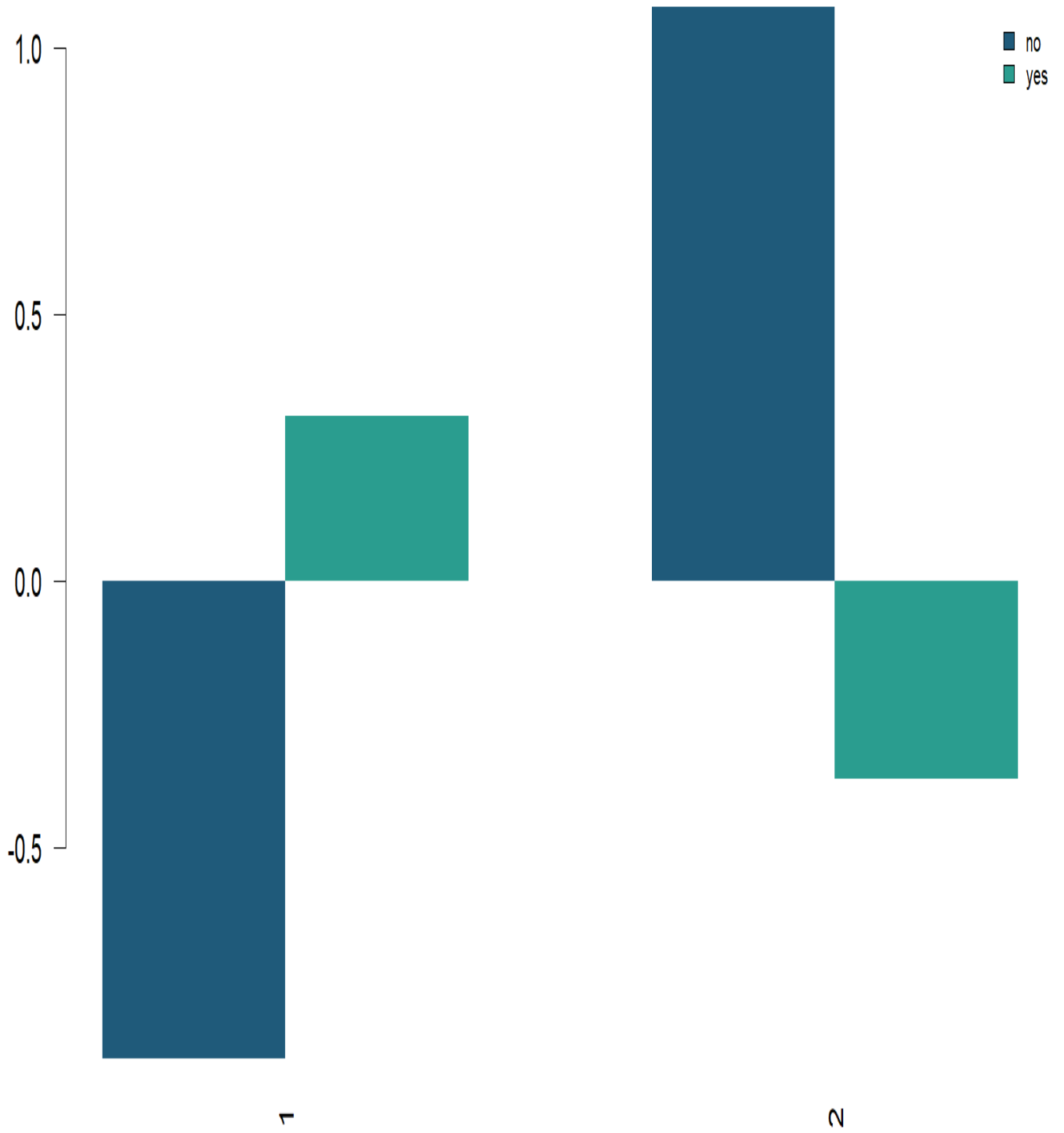
Chi Square for Survey Data - observed counts



Chi Square for Survey Data - expected counts



Chi Square for Survey Data - standardized residuals



Chi Square for Survey Data verified results

