

Chi-Square Goodness-of-Fit Test

Verified R analysis transcript

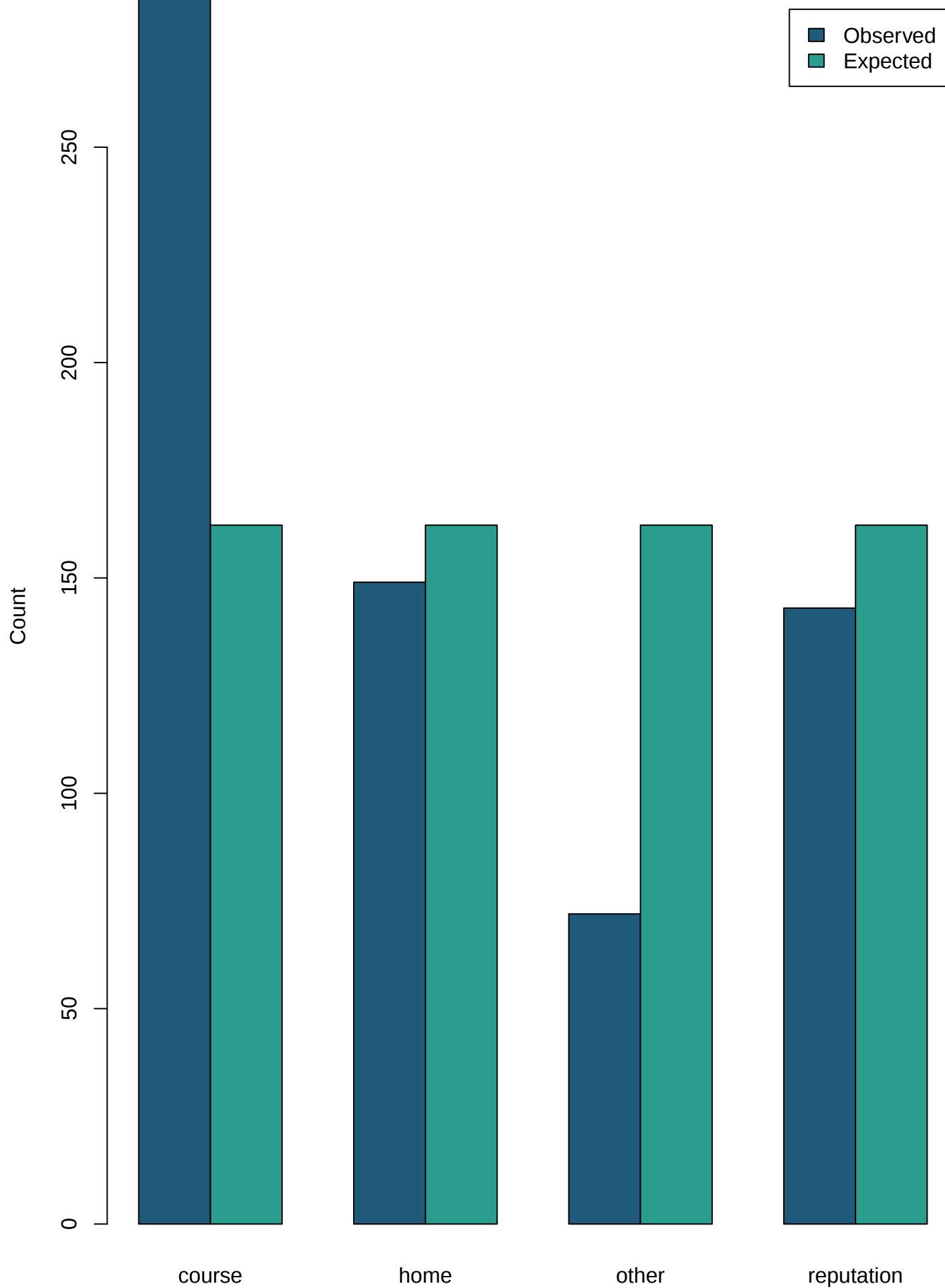
One-variable goodness-of-fit design for the reason categories.

Formula: Pearson X-squared = $\sum (O-E)^2/E$.

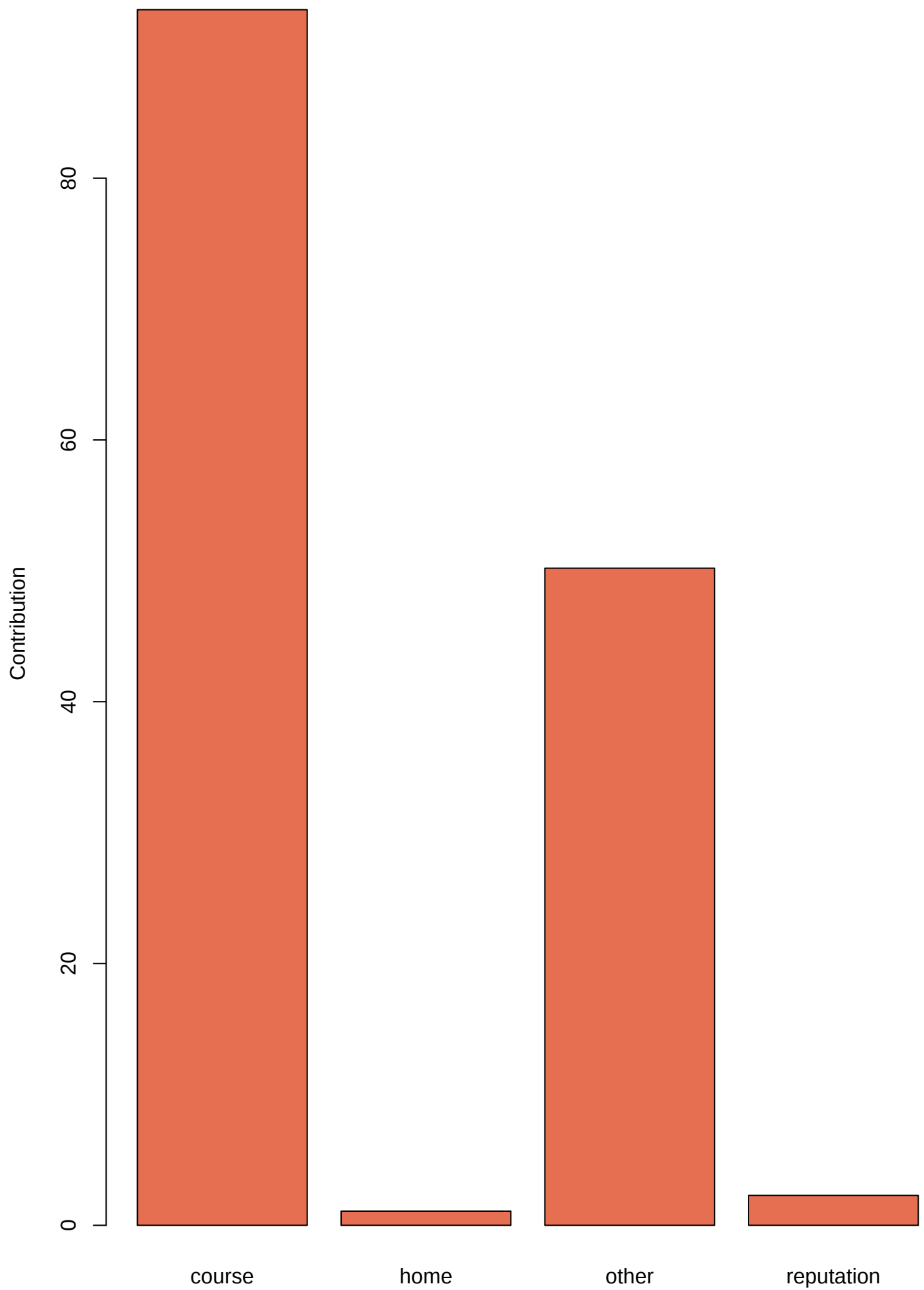
Statistic = 146.4329738; df = 3; p = 1.549456119e-31.

The null assigns equal probability to each of the four observed reason categories.

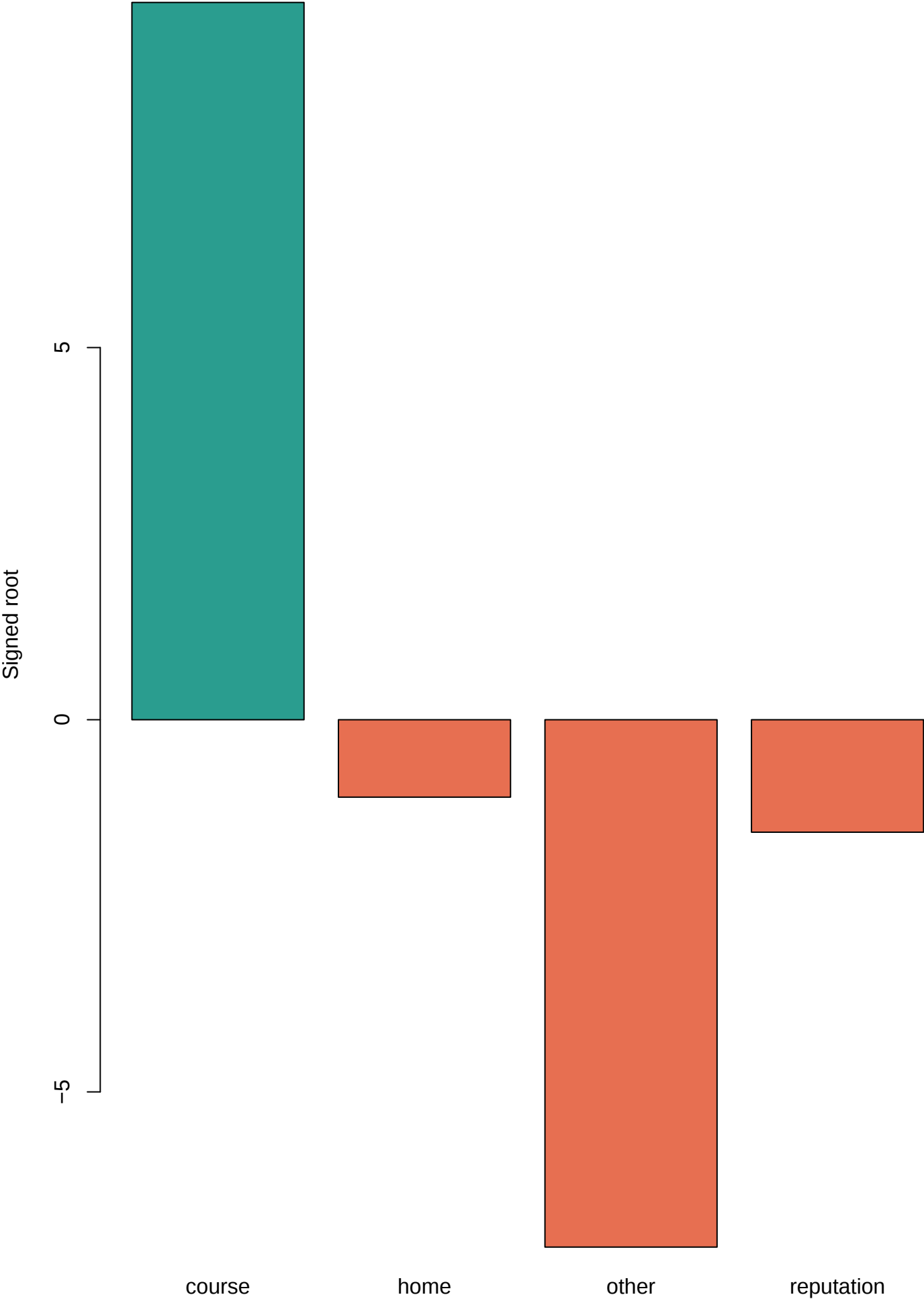
Observed and equal-probability expected counts



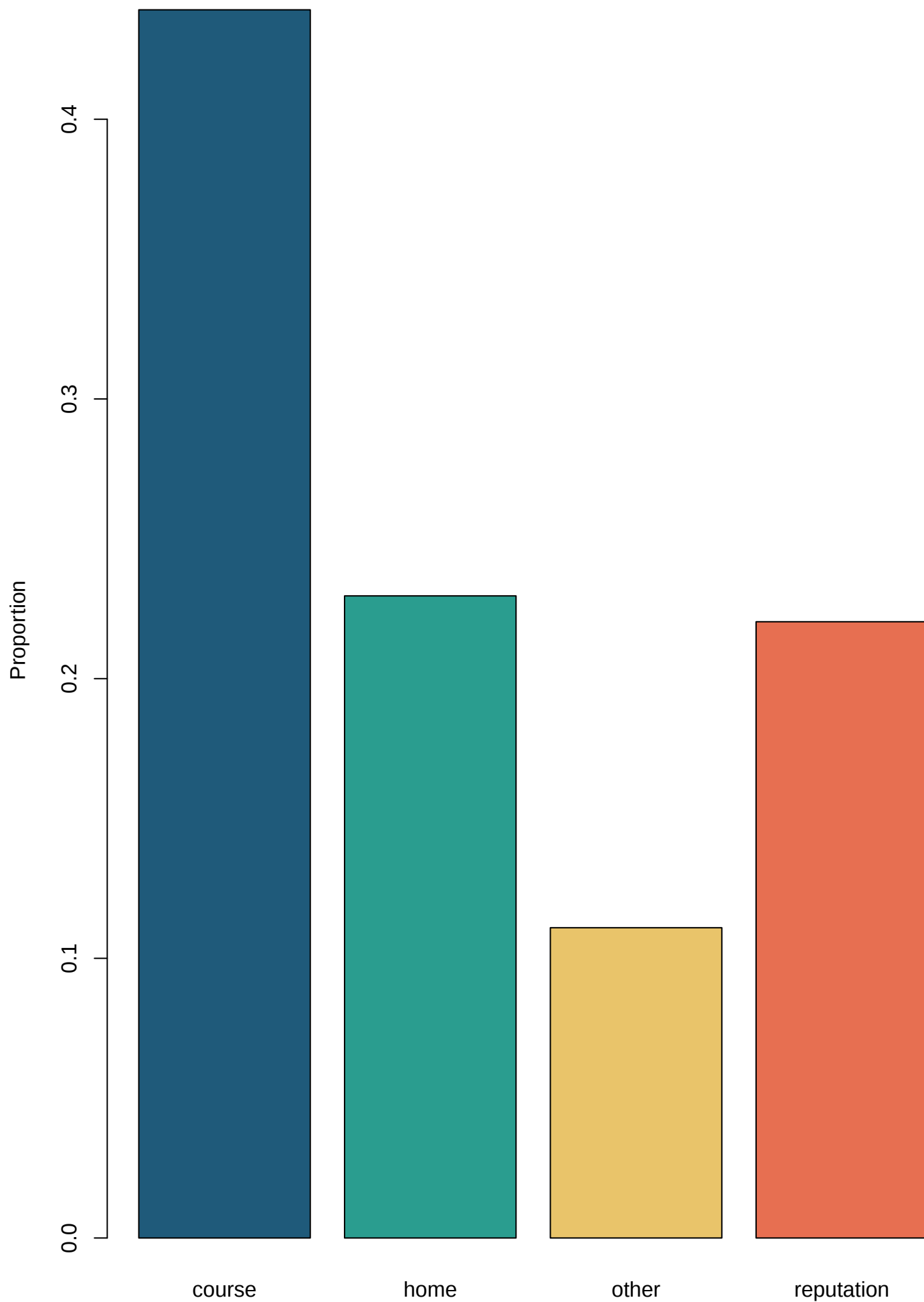
Pearson chi-square contributions



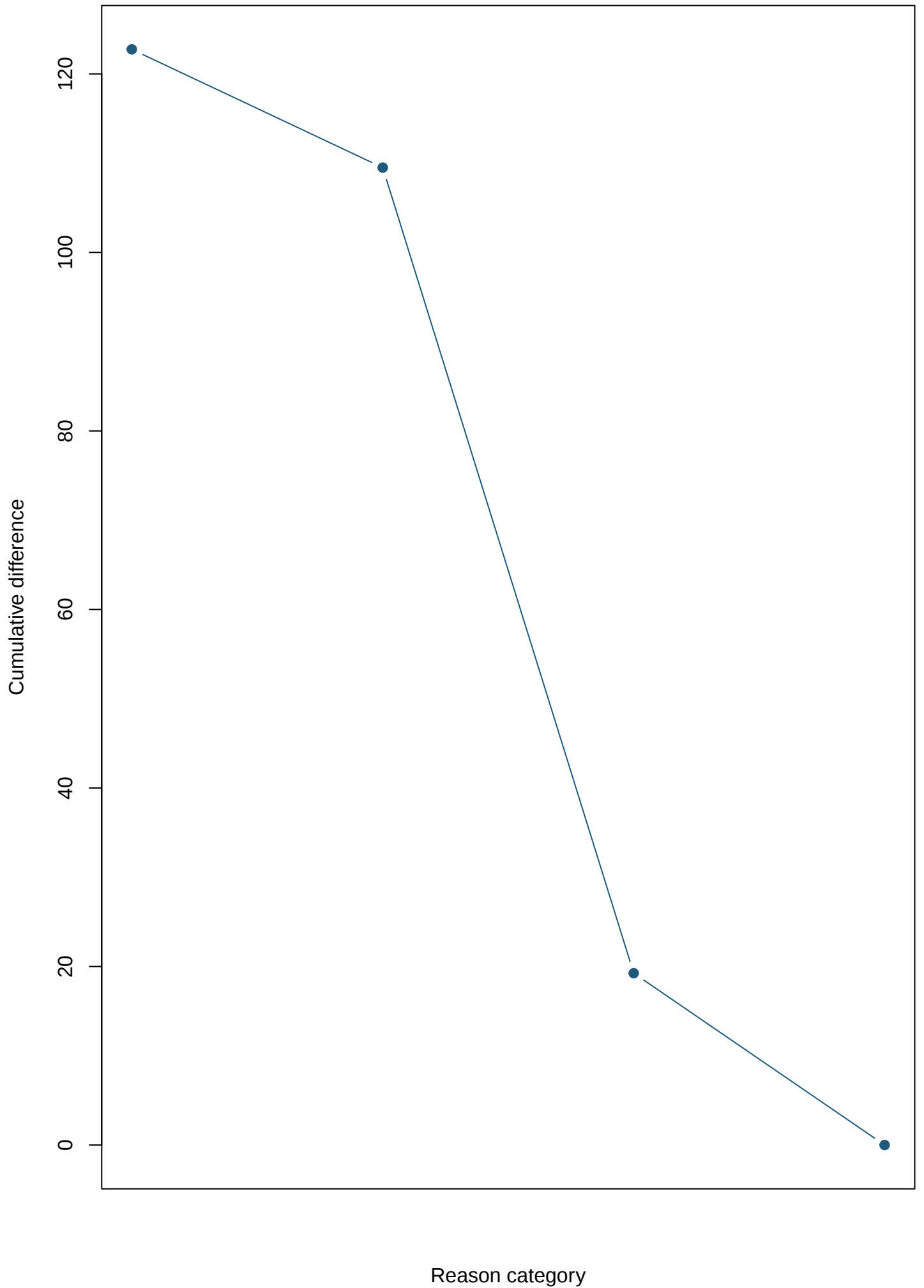
Signed root contributions



Observed reason proportions



Cumulative observed-minus-expected departure



Chi-Square Goodness-of-Fit Test key results

