

Mood's K-Sample Median Test

Test: Mood's K-Sample Median Test

Design: Four-group final-grade median comparison across school-choice reasons.

Variables: G3, reason

Null hypothesis: All four reason groups share the same population median.

Formula: X^2 = Pearson chi-square for k groups by above/below the pooled median.

Source rows: 649

Calculated metrics:

statistic: 22.6682461965328

p_value: 4.73509614727256e-05

degrees_of_freedom: 3

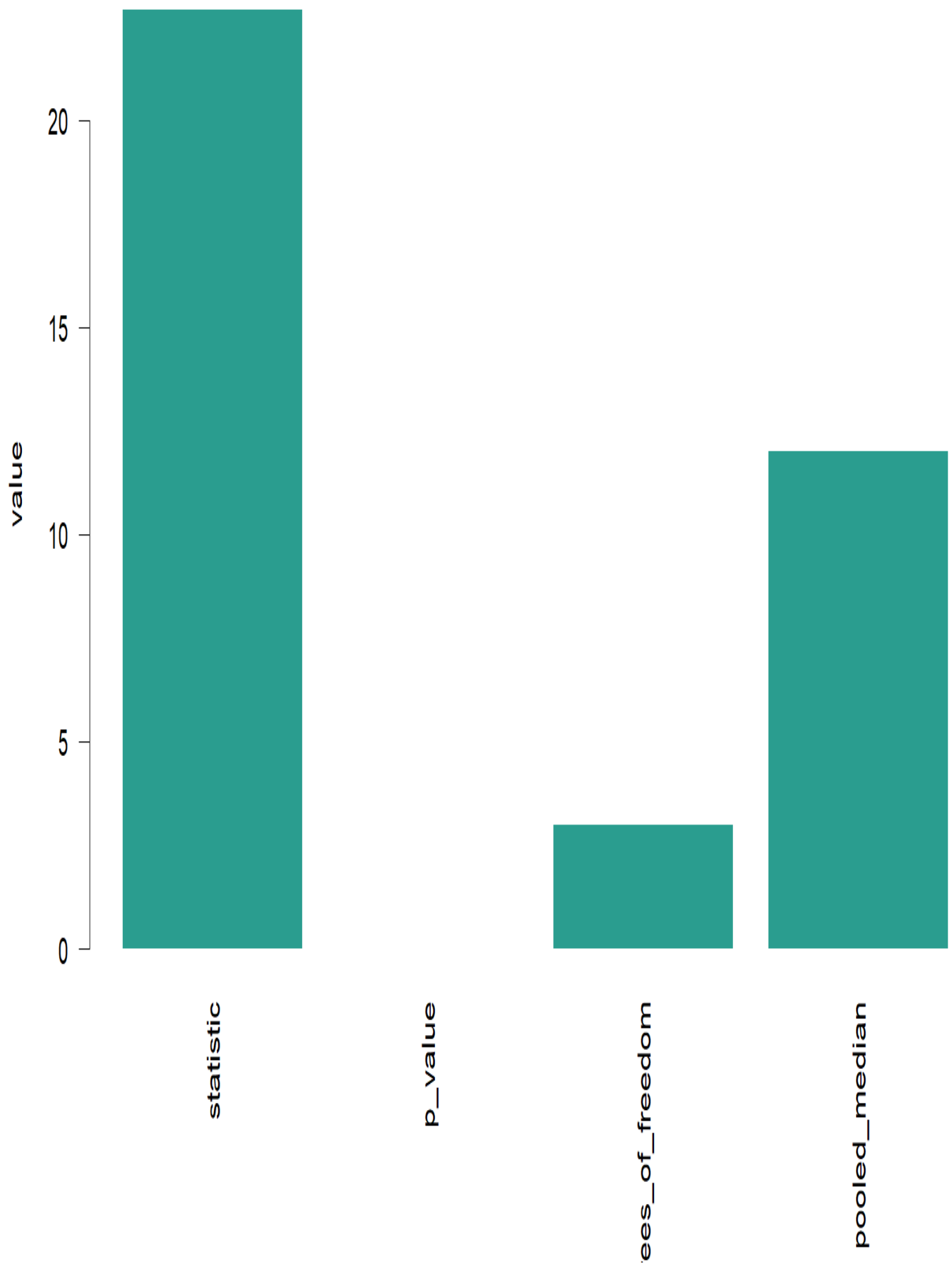
pooled_median: 12

Interpretation:

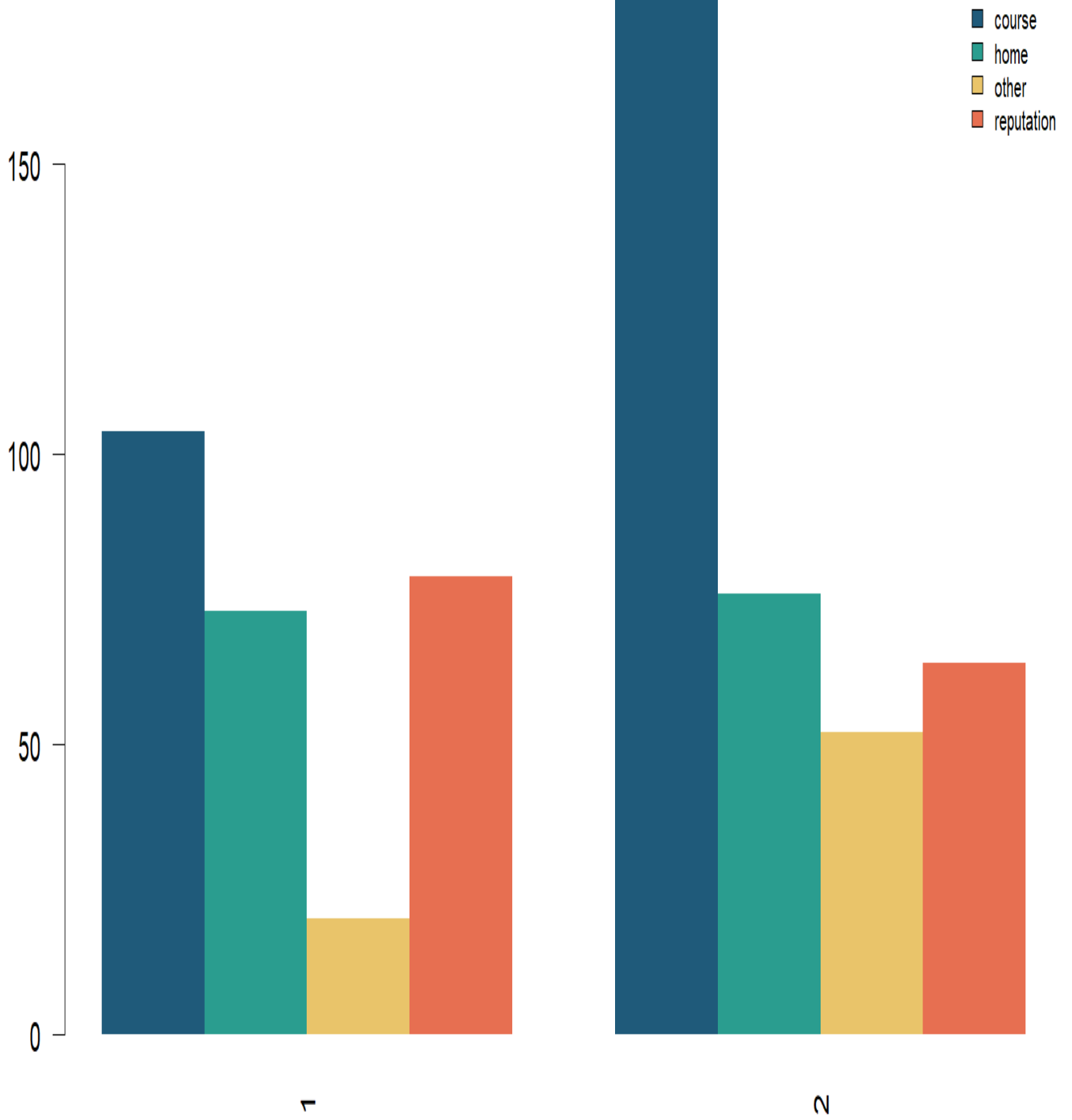
Mood median compares all four groups through one pooled median.

p = 4.73509614727256e-05

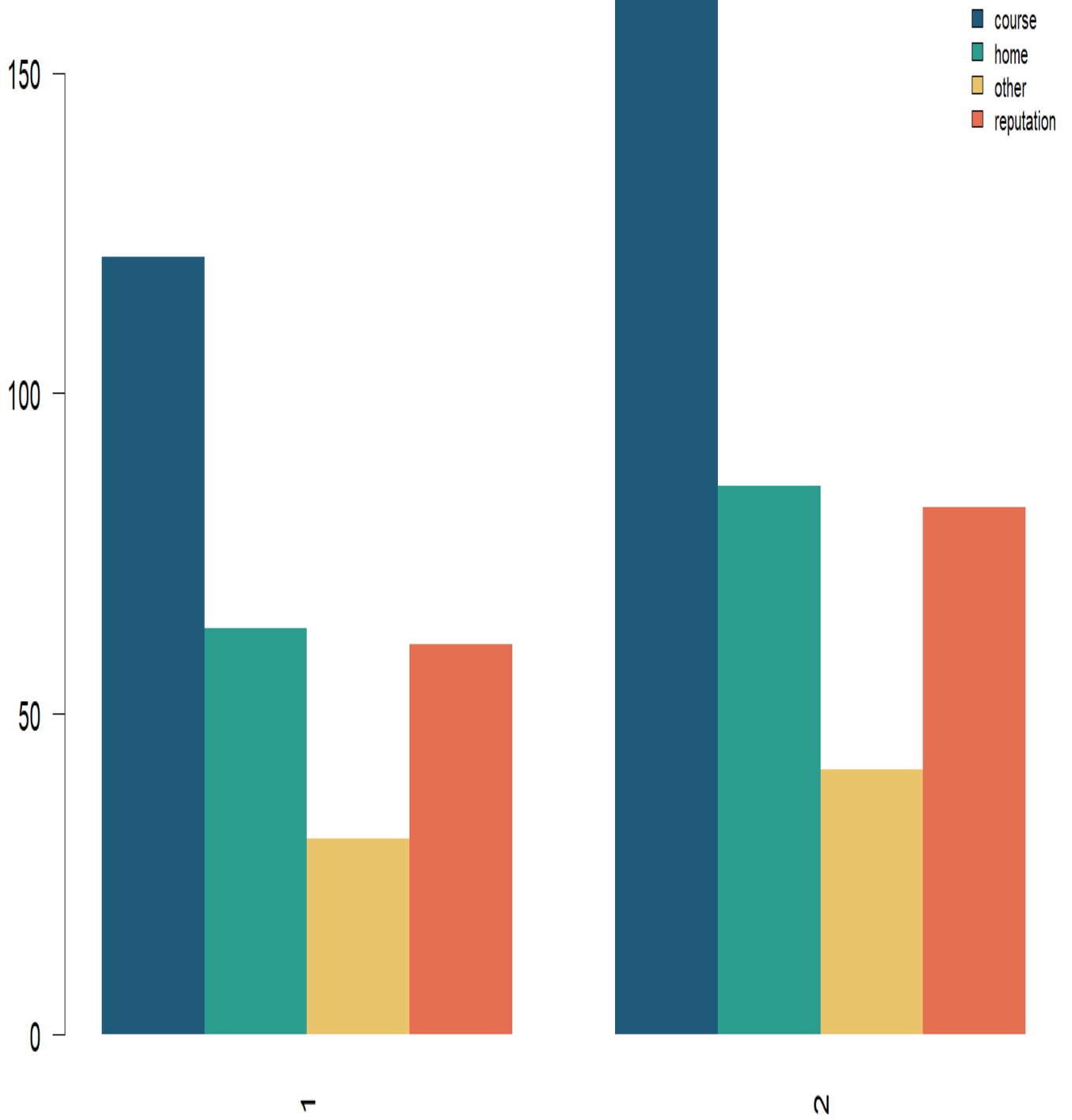
Mood's K-Sample Median Test - primary metrics



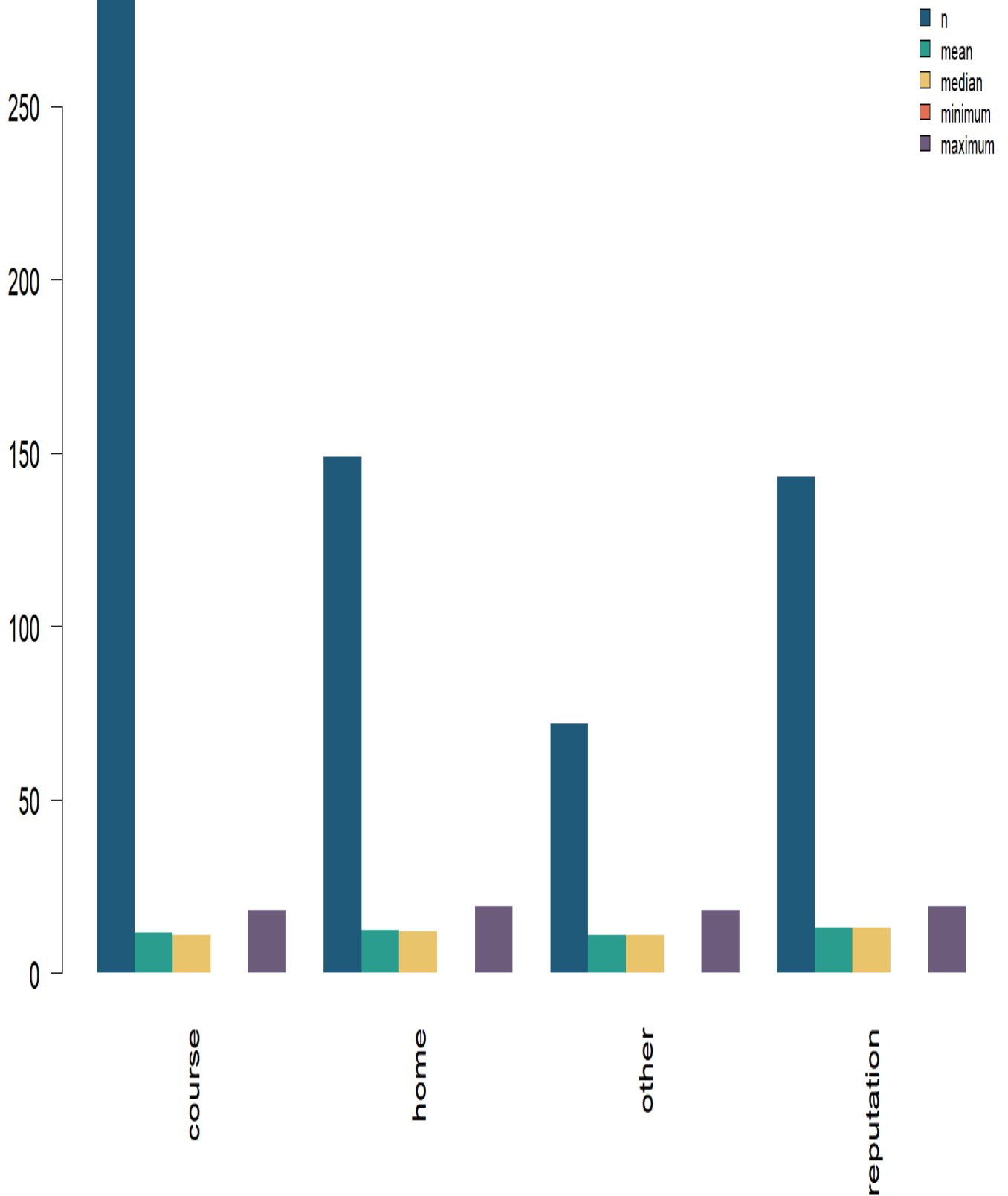
Mood's K-Sample Median Test - k group median table



Mood's K-Sample Median Test - expected counts



Mood's K-Sample Median Test - reason grade summary



Mood's K-Sample Median Test verified results

