

Two-Group Median Test

Test: Two-Group Median Test

Design: A 2 x 2 pooled-median test comparing final grades between GP and MS schools.

Variables: G3, school

Null hypothesis: The two school populations have the same median final grade.

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

Source rows: 649

Calculated metrics:

statistic: 30.4516190523002

p_value: 3.42297528336369e-08

degrees_of_freedom: 1

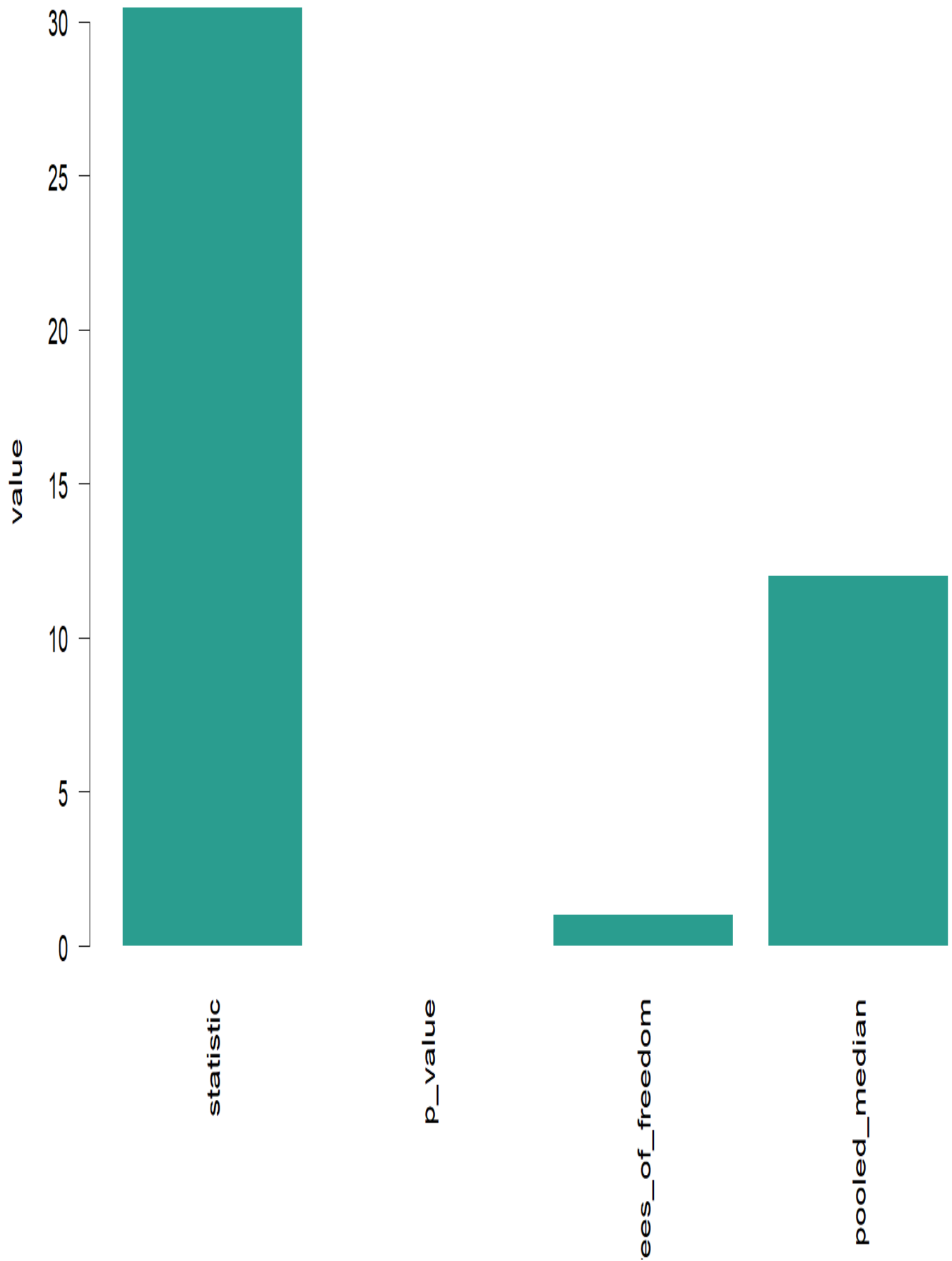
pooled_median: 12

Interpretation:

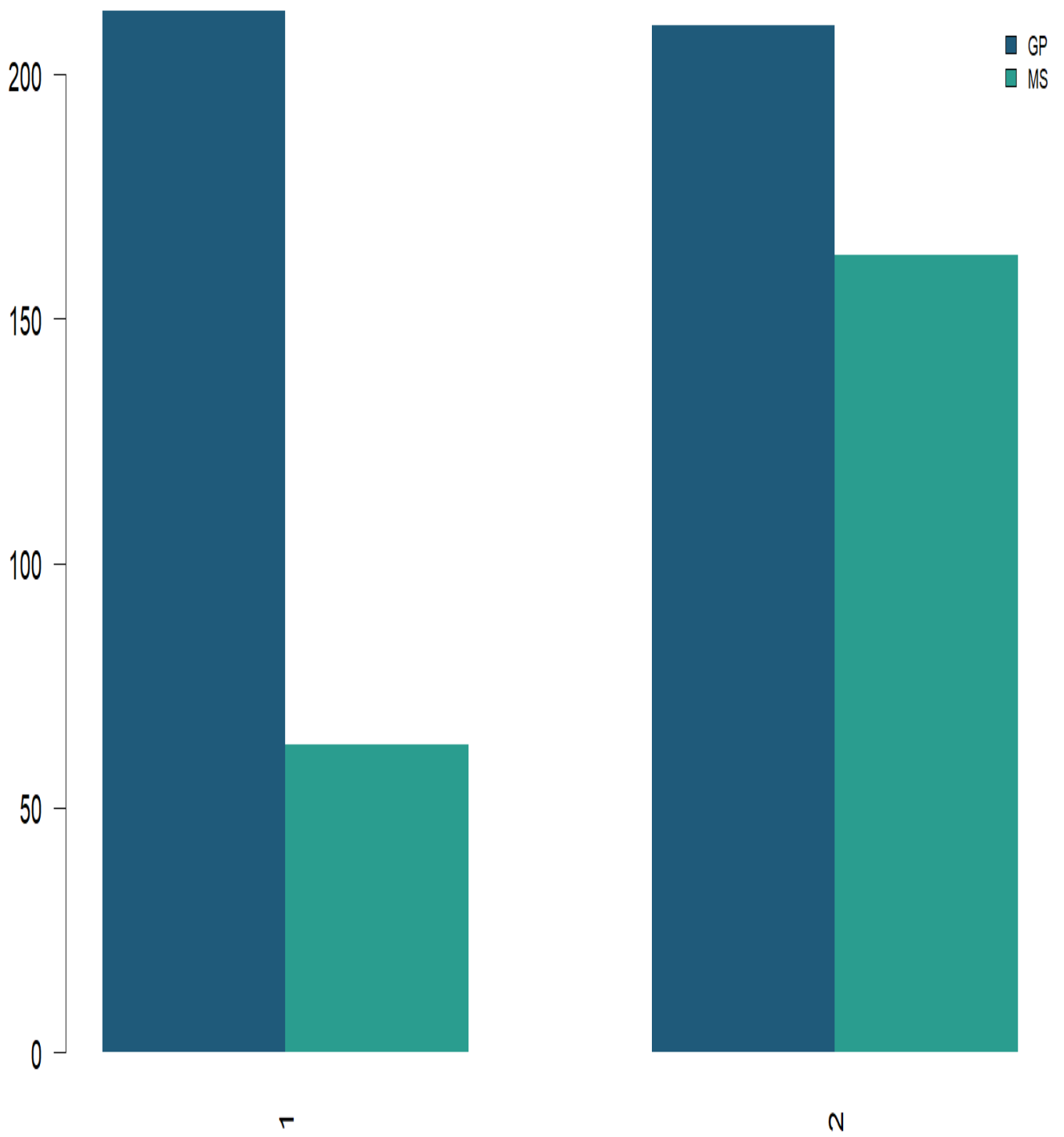
Pooled median = 12

Scores tied at the median are assigned below.

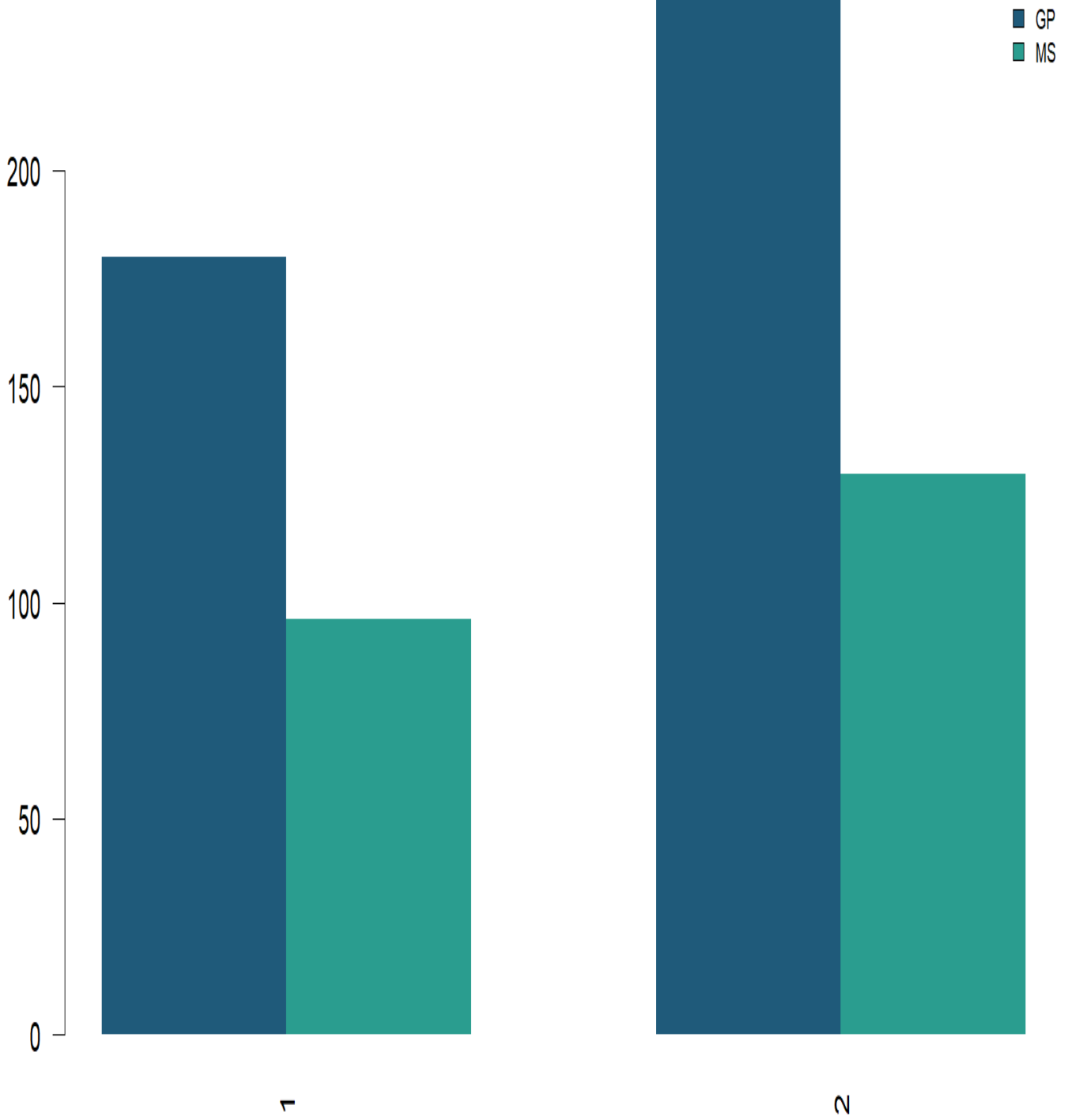
Two-Group Median Test - primary metrics



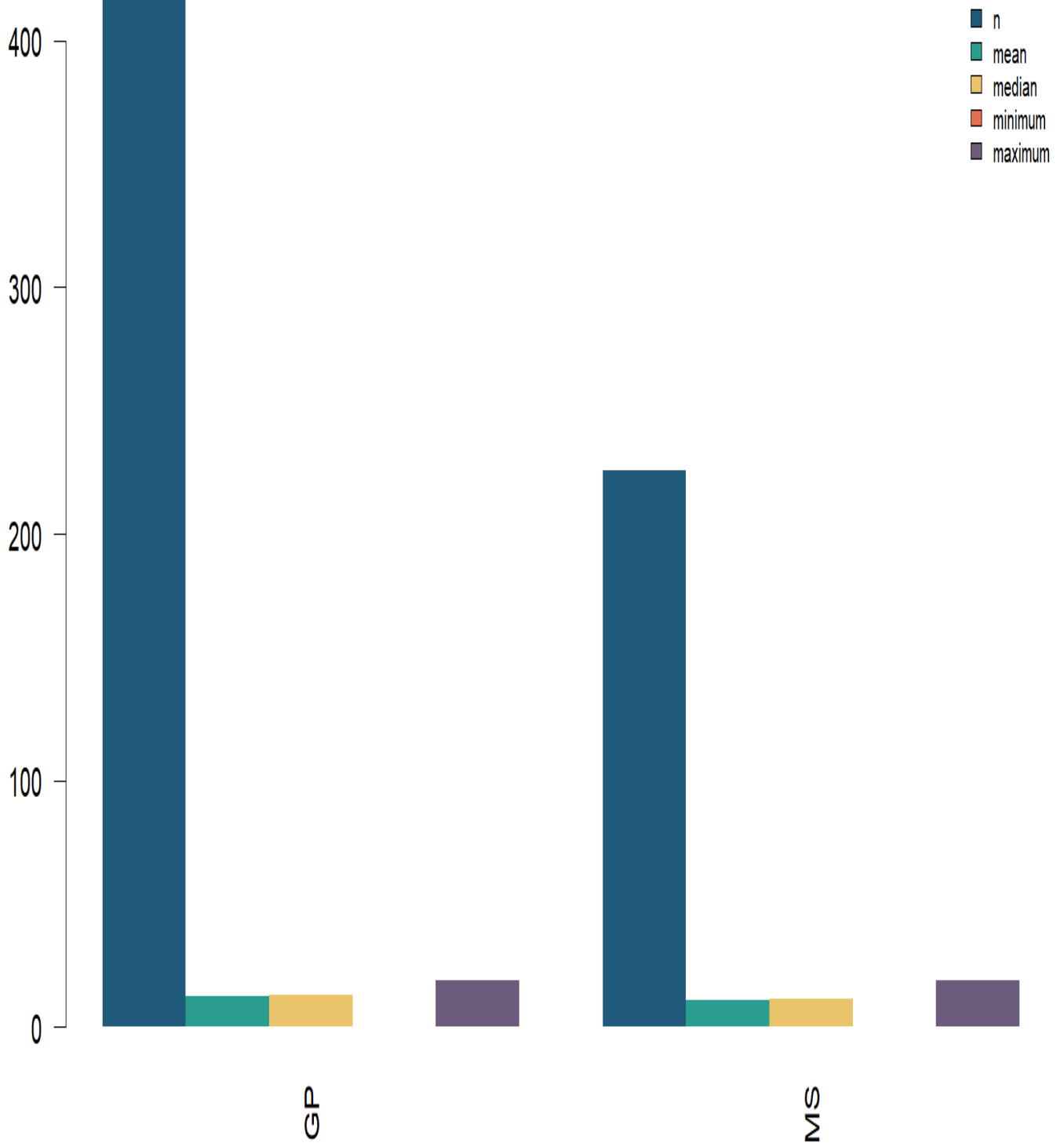
Two-Group Median Test - above below table



Two-Group Median Test - expected counts



Two-Group Median Test - school grade summary



Two-Group Median Test verified results

