

Likelihood–Ratio Chi–Square Test of Independence

Verified R analysis transcript

Design: School and final–grade band are independent under a log–likelihood statistic.

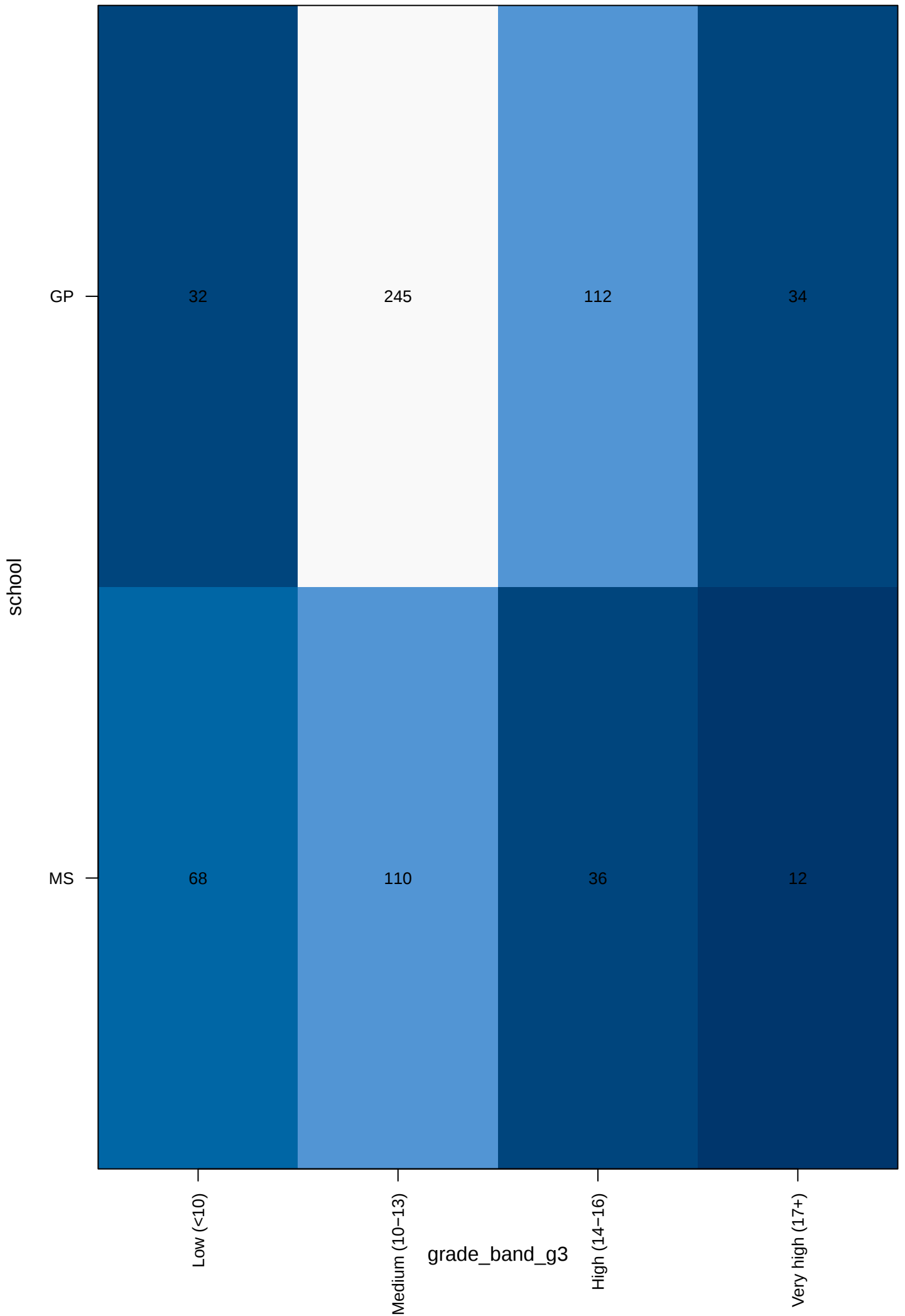
Formula: Pearson X–squared is the sum of squared observed–minus–expected differences divided by expected counts.

Statistic = 57.07520923; df = 3; p = 2.476613204e–12; Cramer V = 0.302873.

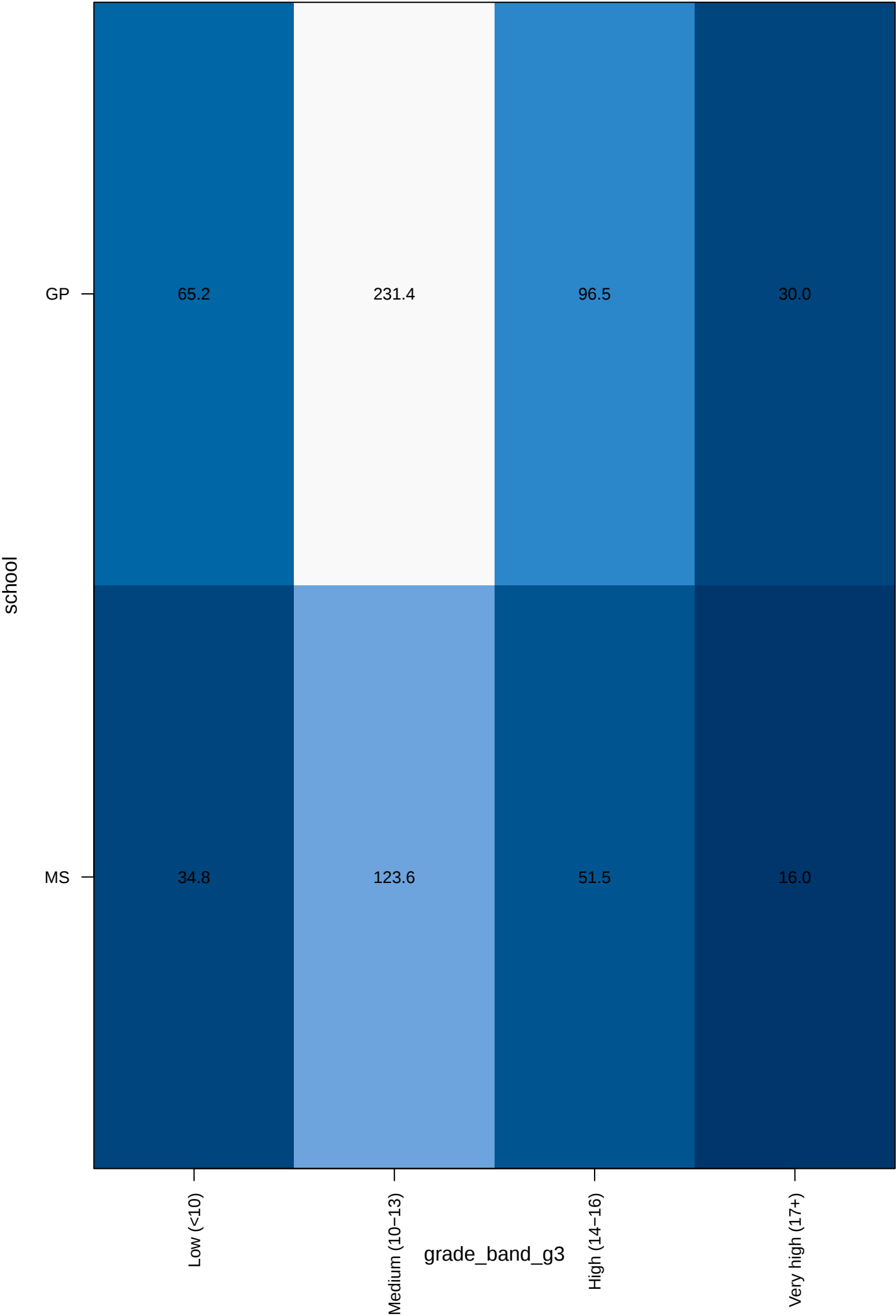
Minimum expected count = 16.018490; cells below five = 0.

The likelihood–ratio G–squared statistic is primary; Pearson is shown as a comparison.

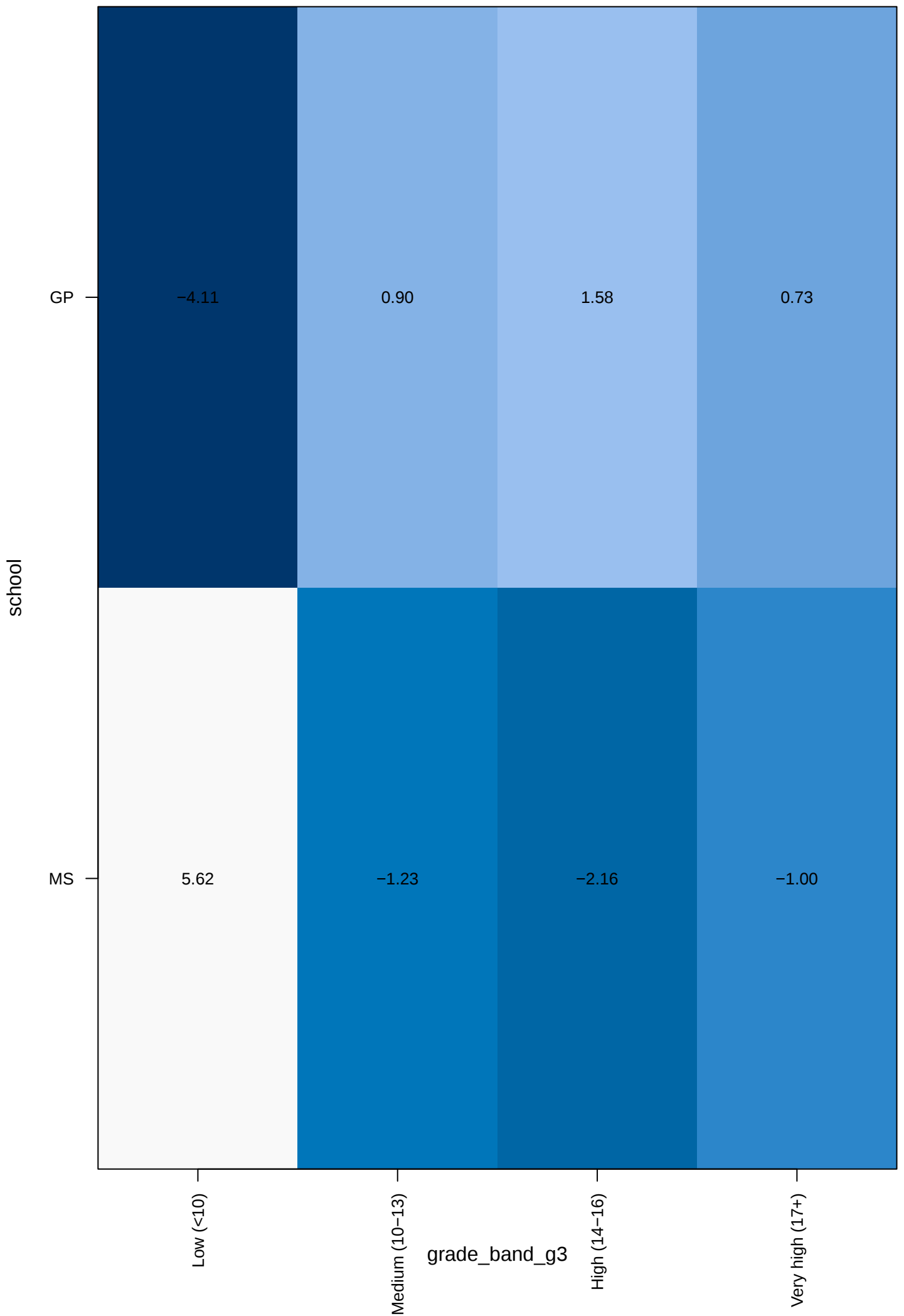
Observed counts: school by grade_band_g3



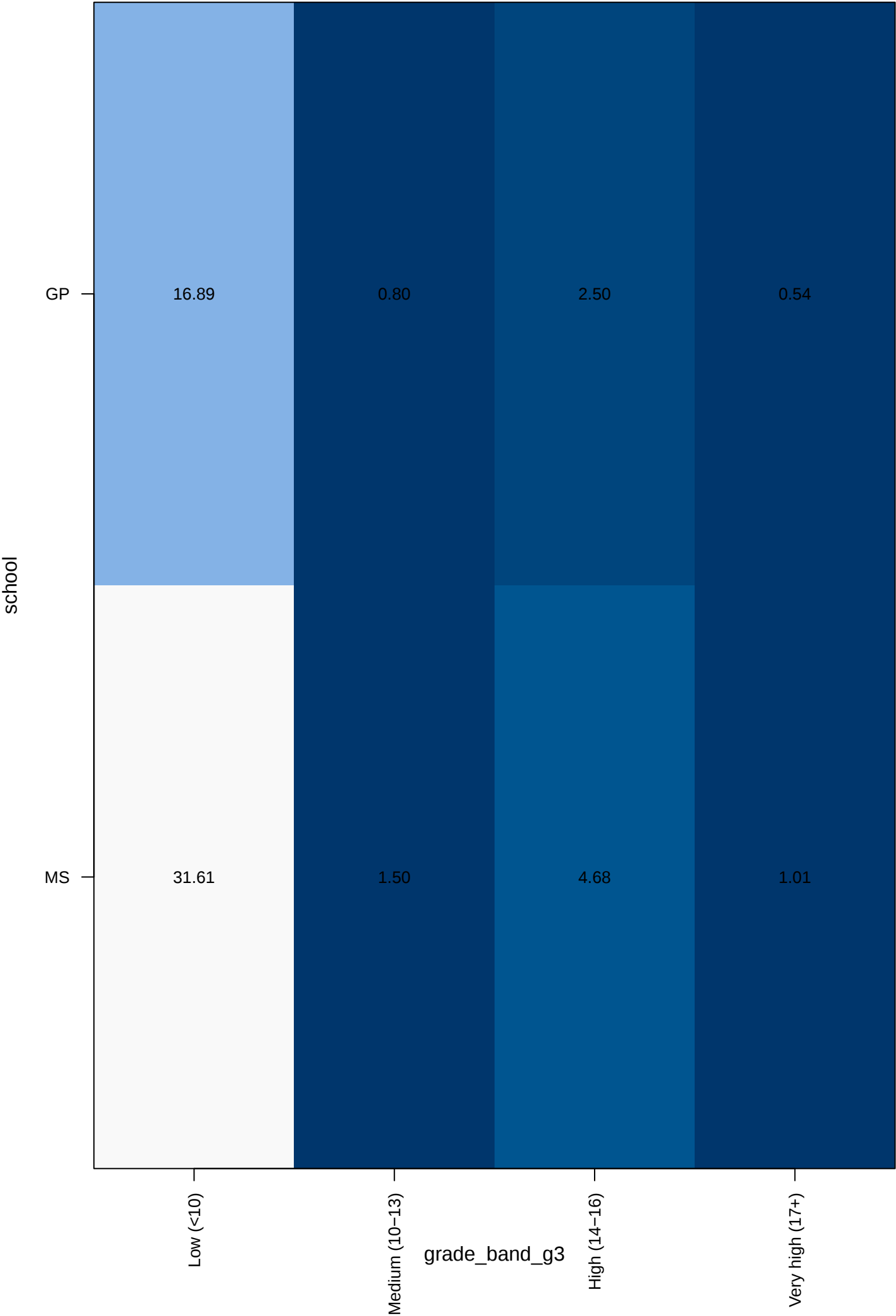
Expected counts under the null



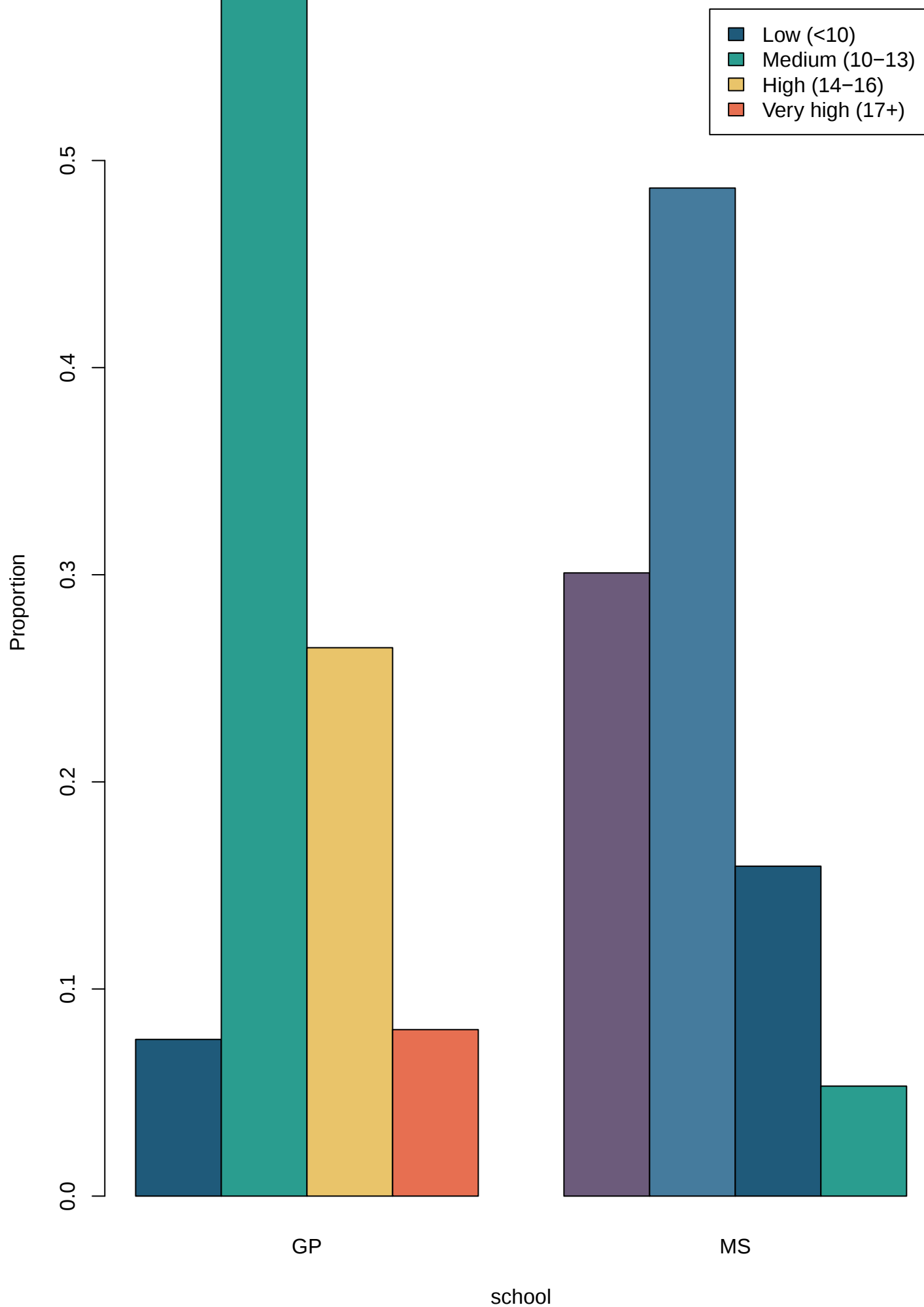
Pearson residuals



Cell contributions to the test statistic



Conditional category profiles



Likelihood-Ratio Chi-Square Test of Independence key results

