

Nemenyi Post-Hoc Test

Test: Nemenyi Post-Hoc Test

Design: All-pairs comparison of G1, G2, and G3 mean ranks after Friedman.

Variables: within-student ranks of G1, G2, G3

Null hypothesis: Every pair of repeated grade occasions has equal mean rank.

Formula: $q_{ij} = |\bar{R}_i - \bar{R}_j| / \sqrt{k(k+1)/(6n)}$

Source rows: 649

Calculated metrics:

standard_error: 0.0555127381653369

q_critical_alpha_05: 2.34370058790214

critical_difference: 0.130105237074158

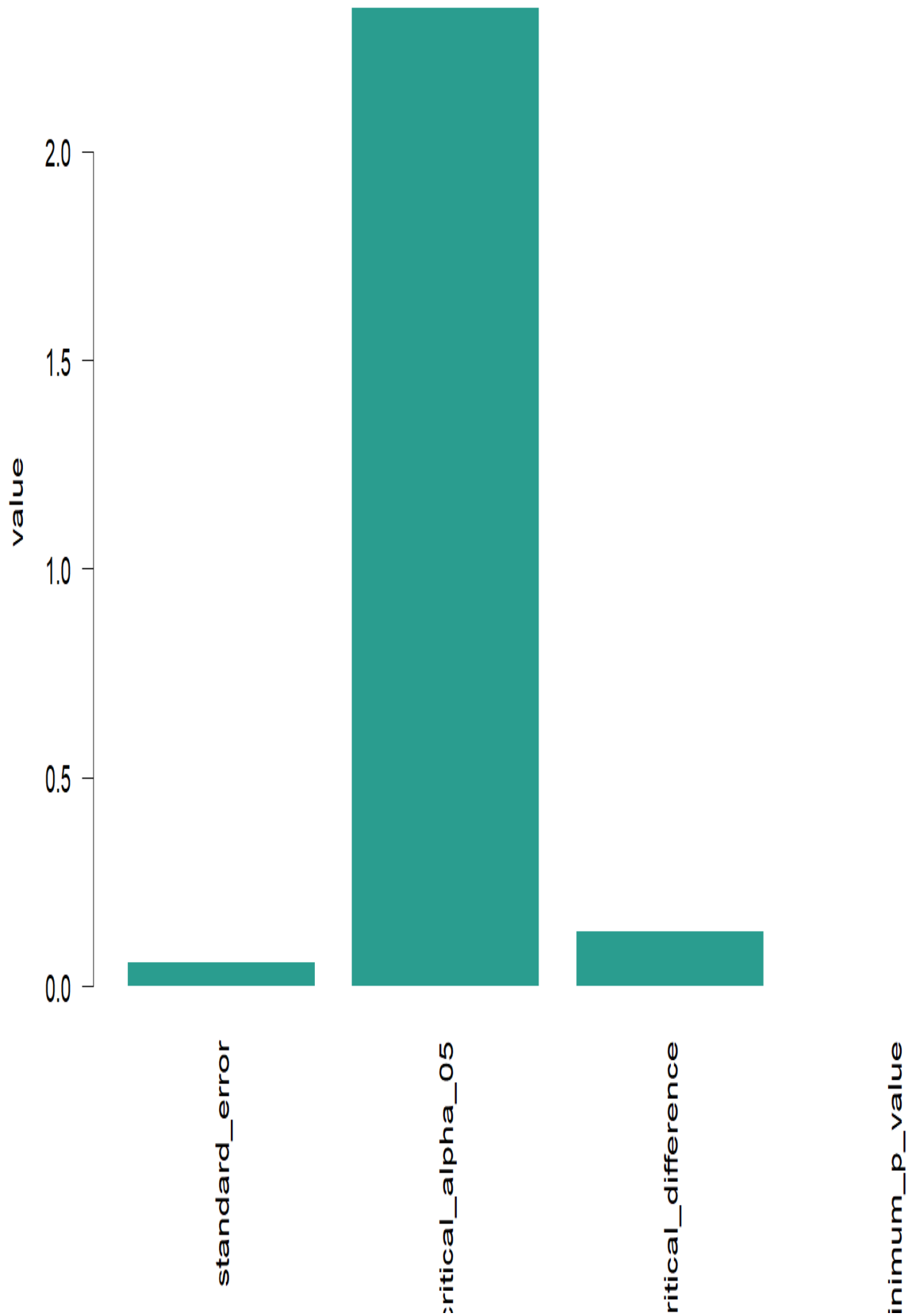
minimum_p_value: 3.03090885722668e-14

Interpretation:

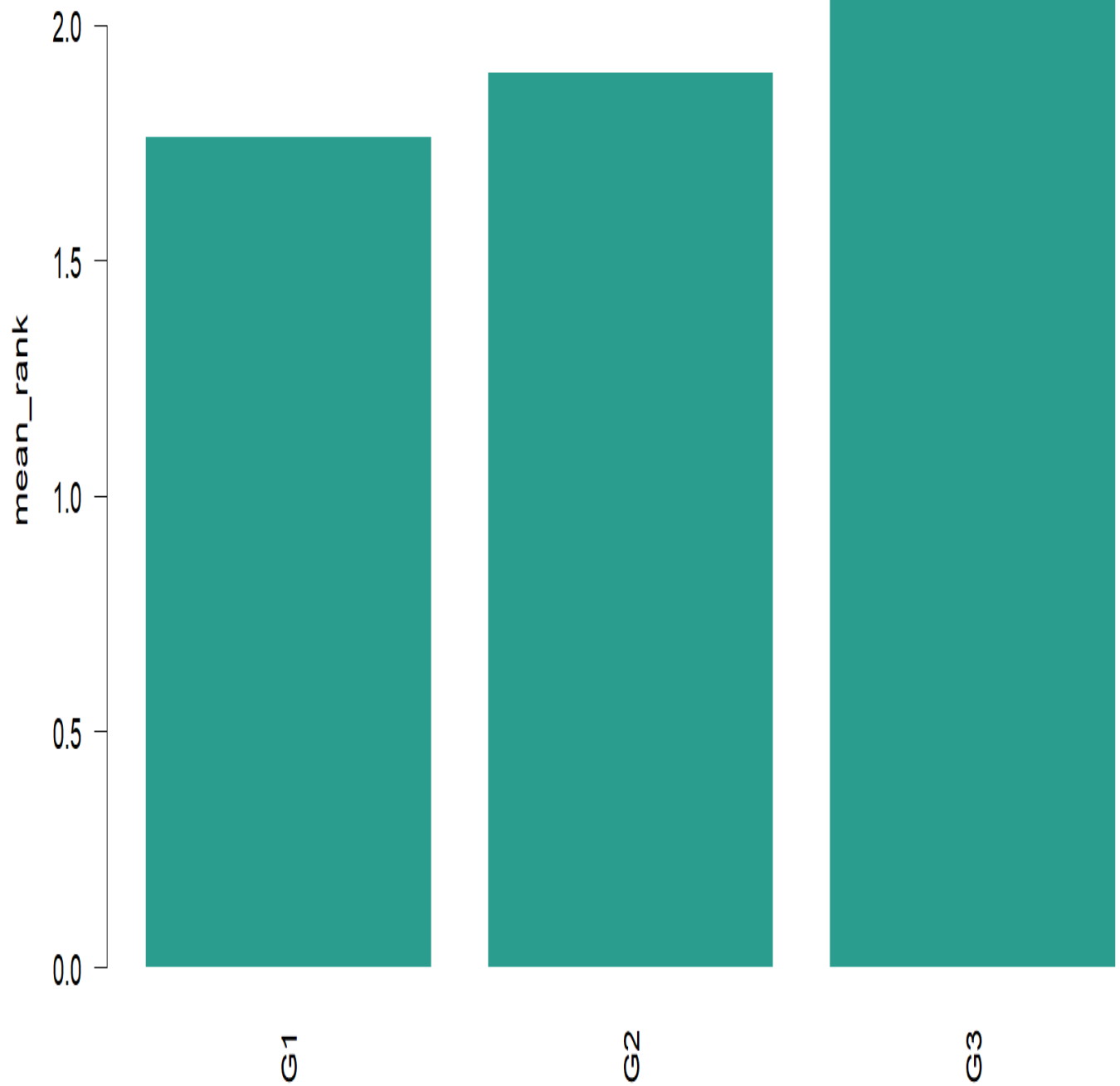
Nemenyi uses the studentized-range distribution after Friedman.

Critical difference = 0.130105237074158

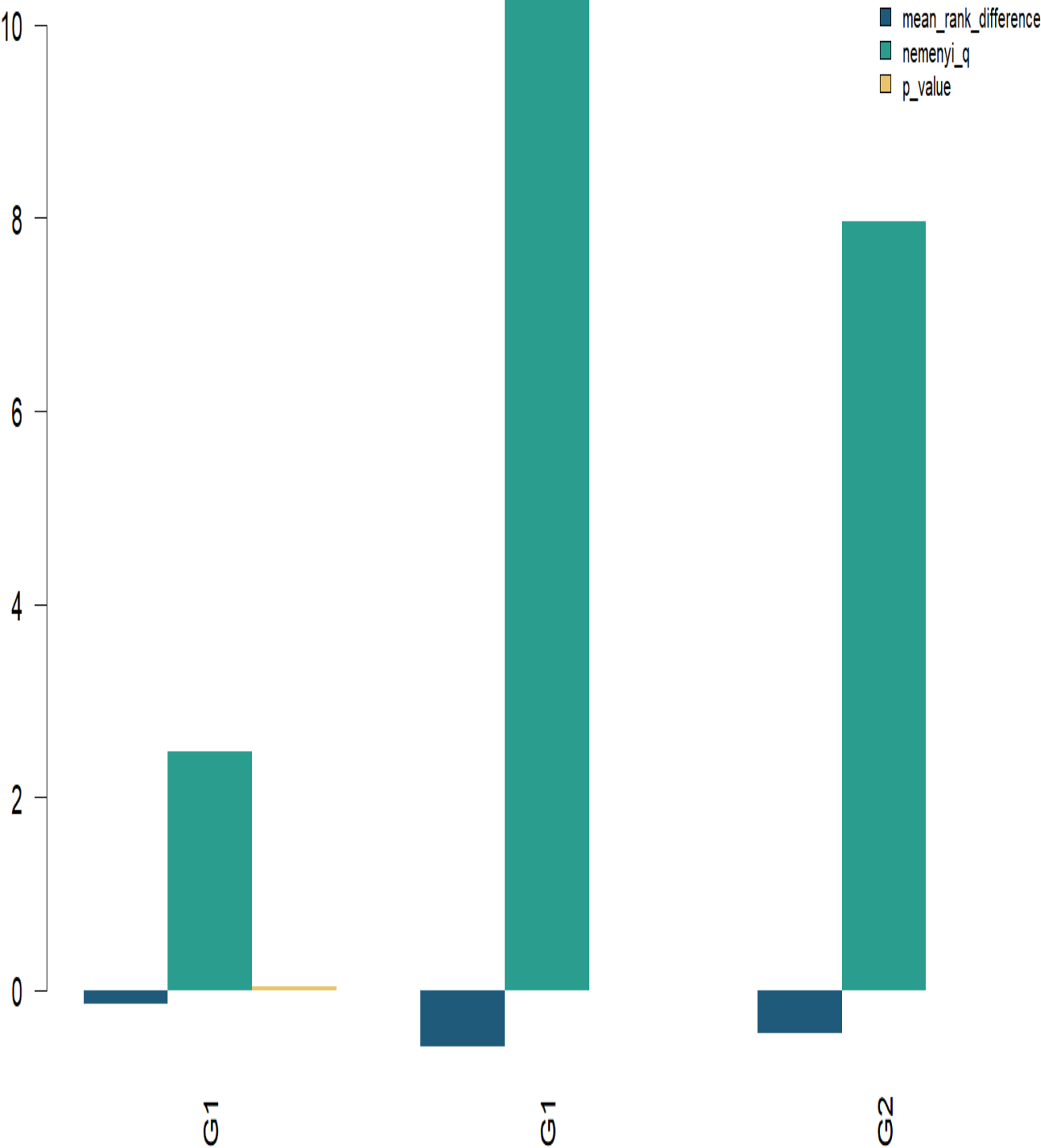
Nemenyi Post-Hoc Test - primary metrics



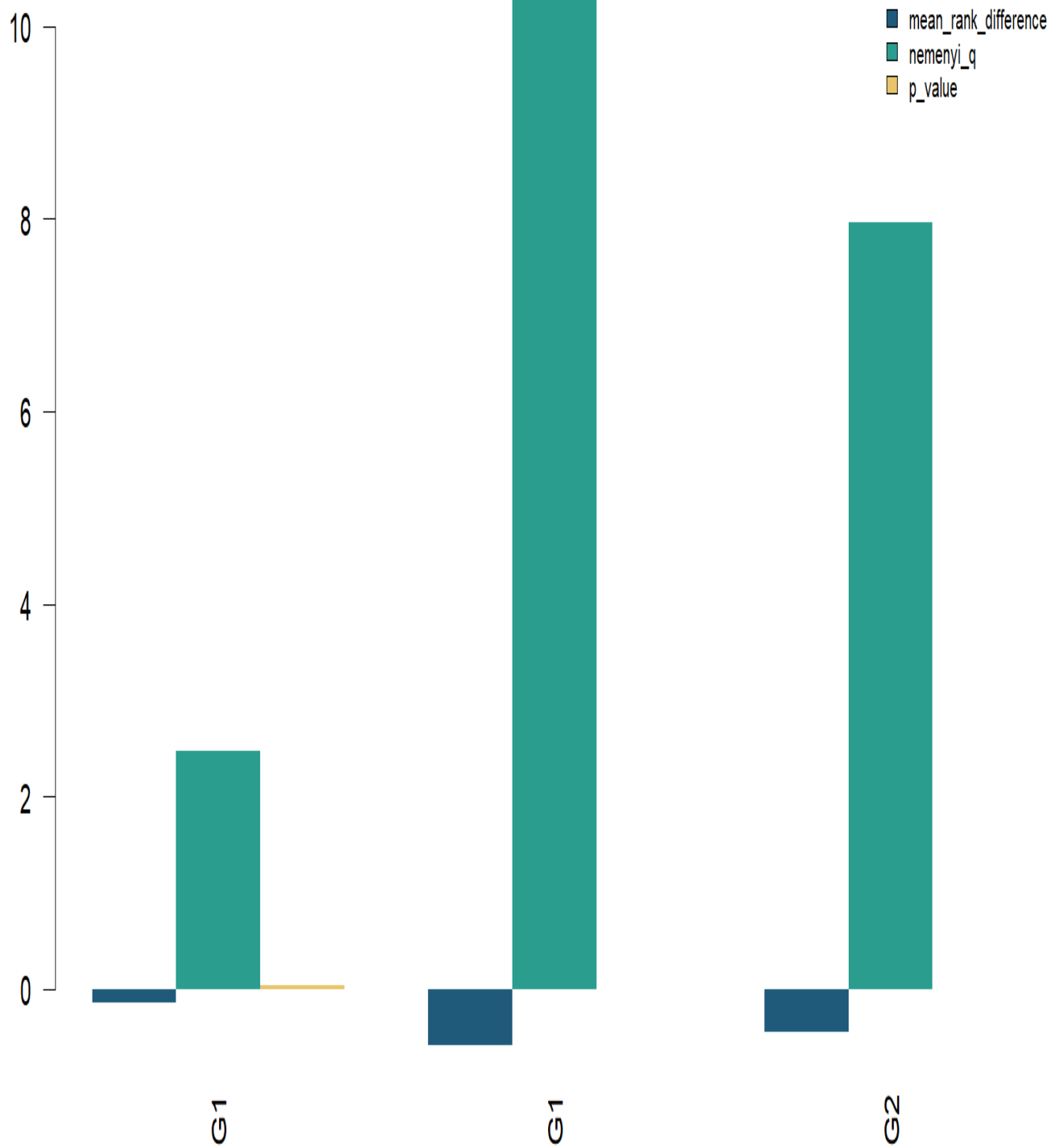
Nemenyi Post-Hoc Test - occasion mean ranks



Nemenyi Post-Hoc Test - nemenyi pairwise



Nemenyi Post-Hoc Test - critical decisions



Nemenyi Post-Hoc Test verified results

minimum_p_value

critical_difference

q_critical_alpha_05

standard_error

