

Heterotrait–Monotrait Ratio

Test: Heterotrait–Monotrait Ratio

Design: Observed–correlation HTMT for academic and social indicator blocks.

Variables: G1, G2, G3, famrel, freetime, goout

Null hypothesis: HTMT is at or above the declared discriminant–validity limit.

Formula: $HTMT = \text{mean}|r_{AS}| / \sqrt{(\text{mean}|r_{AA}| \text{ mean}|r_{SS}|)}$.

Source rows: 649

Calculated metrics:

htmt: 0.21043104090296

heterotrait_mean: 0.0851983913628539

academic_monotrait_mean: 0.869972252885994

social_monotrait_mean: 0.188424677911685

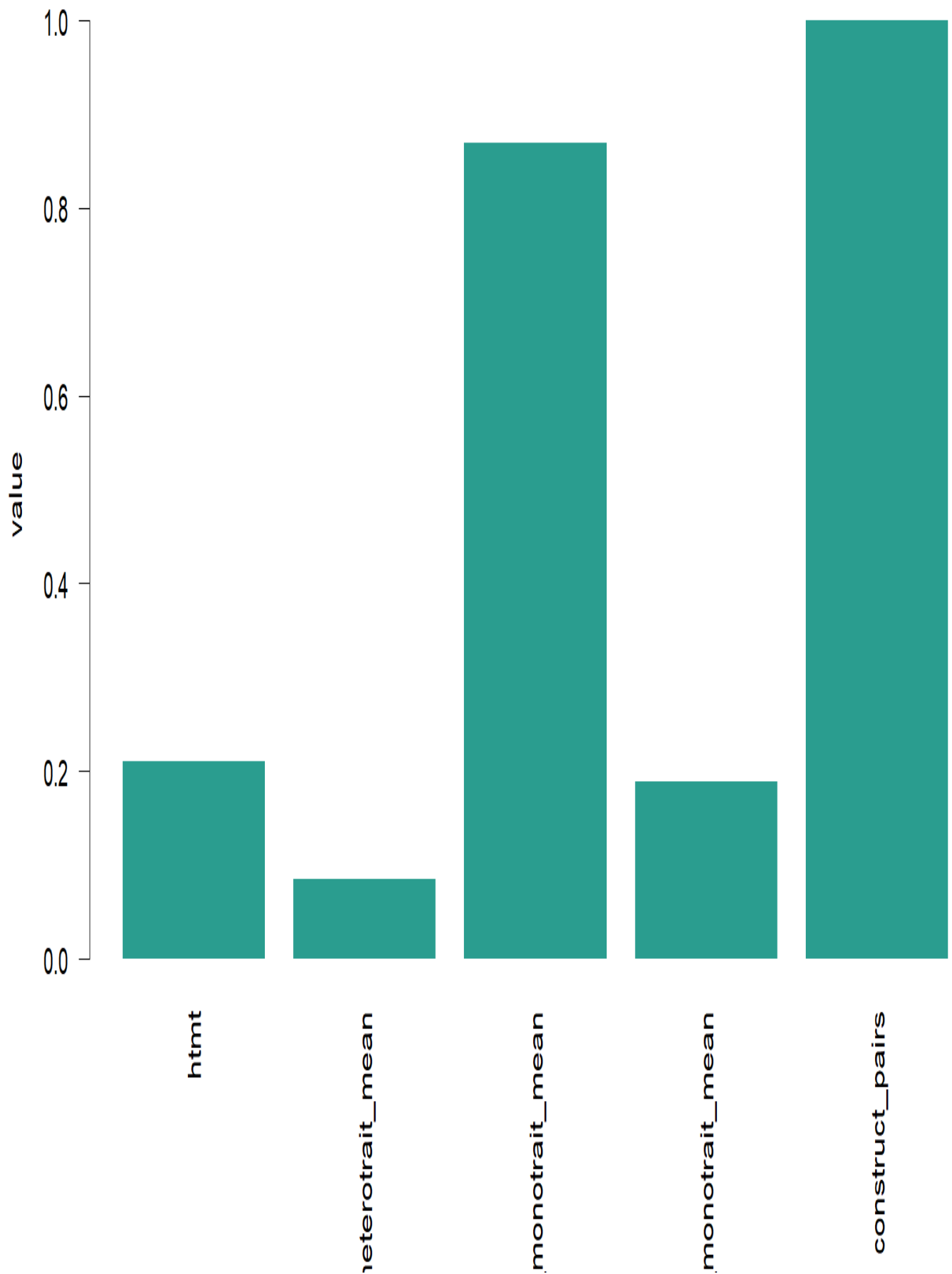
construct_pairs: 1

Interpretation:

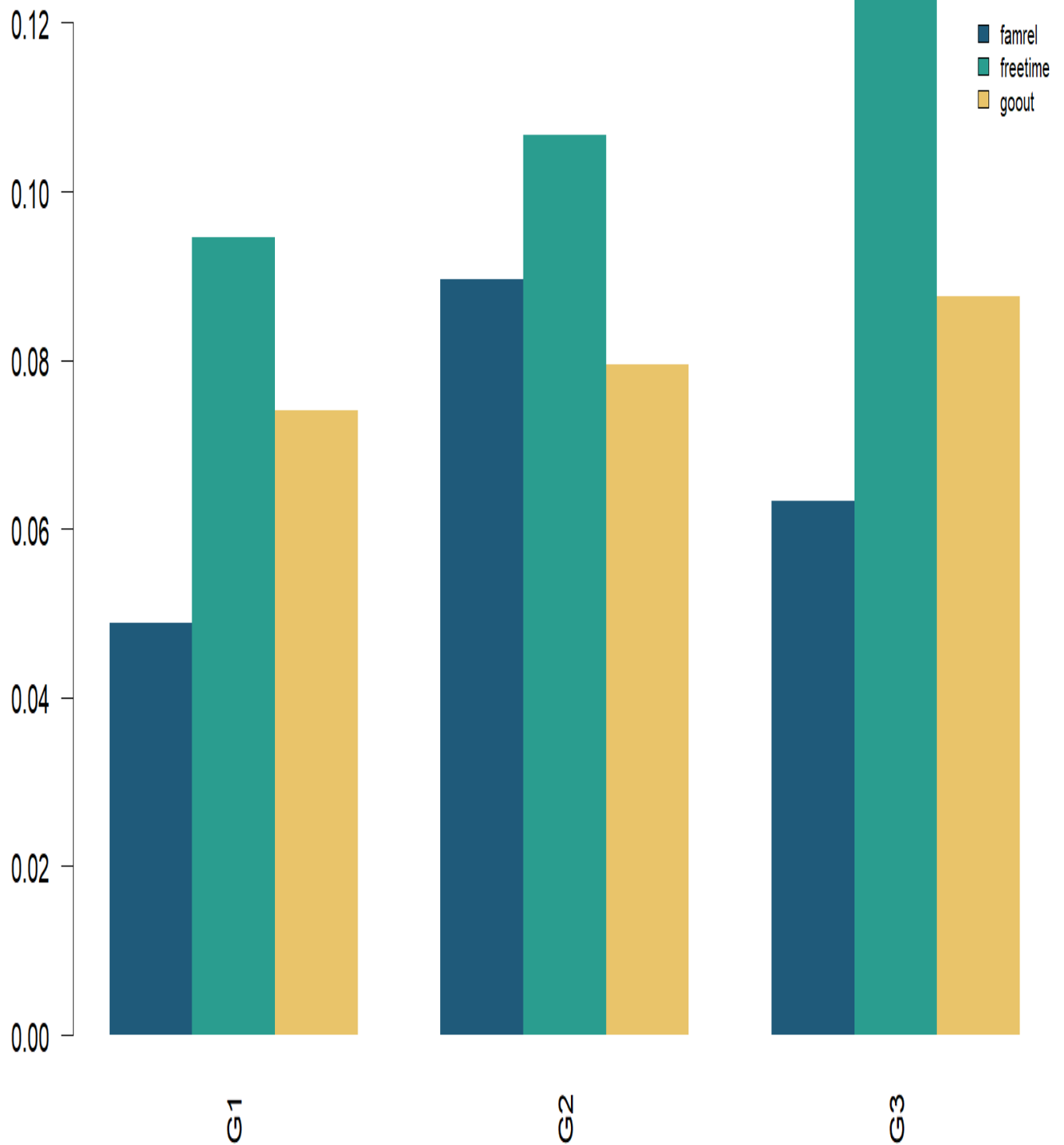
HTMT normalizes heterotrait by monotrait association.

HTMT 0.21043104090296

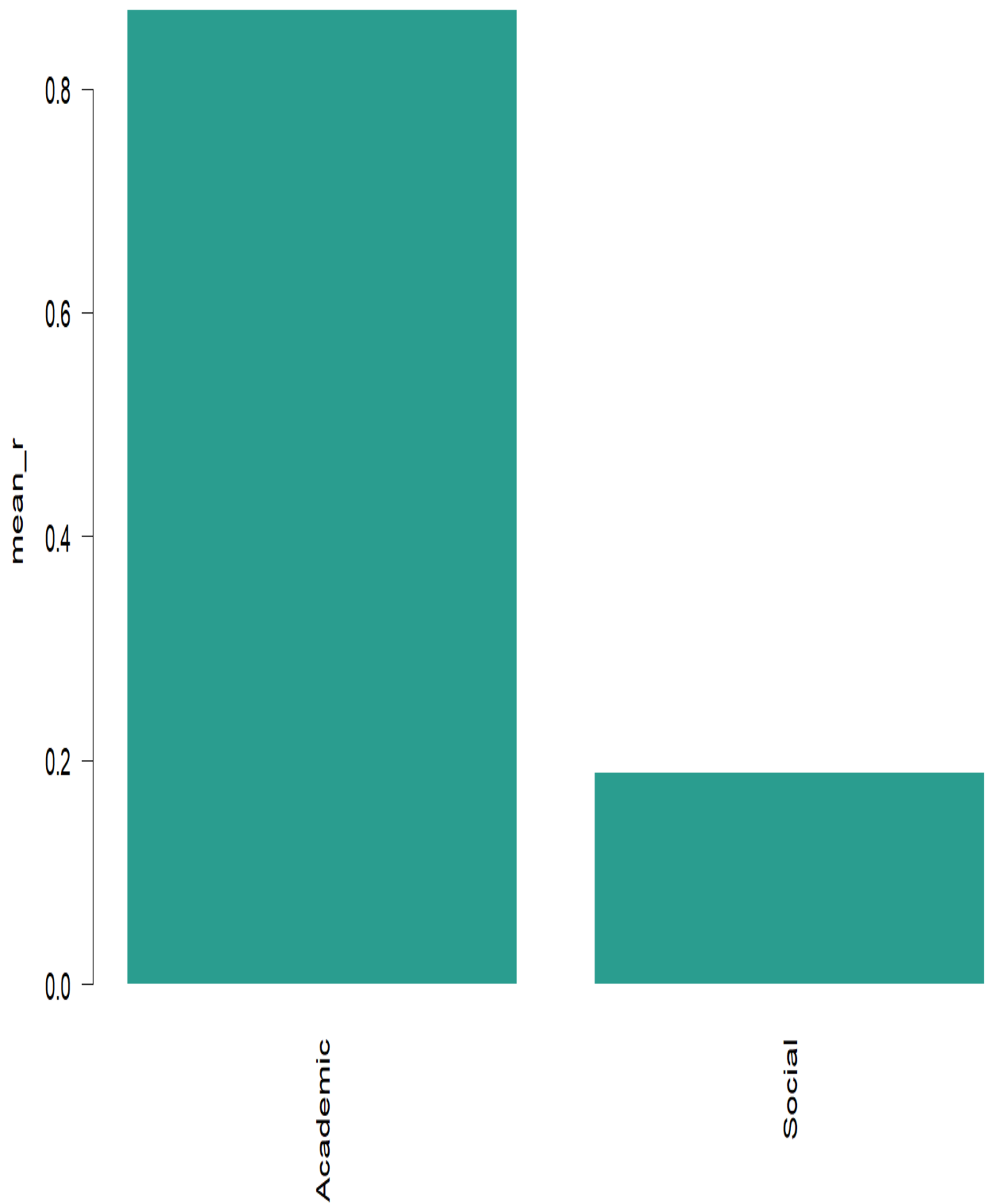
Heterotrait-Monotrait Ratio - primary metrics



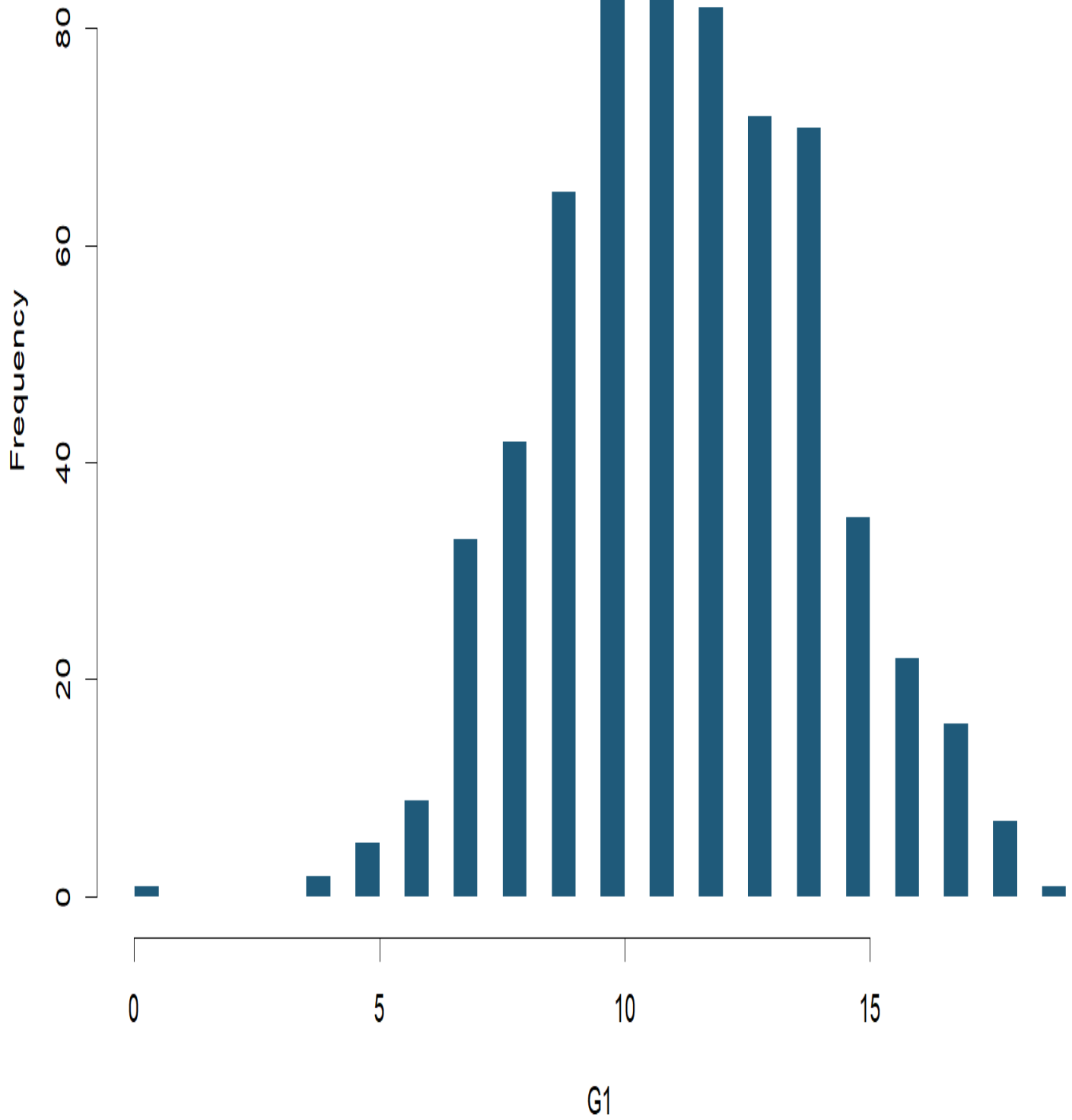
Heterotrait-Monotrait Ratio - absolute heterotrait correlations



Heterotrait-Monotrait Ratio - monotrait components



Heterotrait-Monotrait Ratio source G1



Heterotrait-Monotrait Ratio verified results

