

Convergent Validity

Test: Convergent Validity

Design: Within-construct convergence using CFA loadings, AVE, and composite reliability.

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

Null hypothesis: Indicators do not share sufficient variance within their prespecified construct.

Formula: Convergence is summarized by loadings, AVE, and CR for each construct.

Source rows: 649

Calculated metrics:

academic_ave: 0.872486216310233

social_ave: 0.268100608744398

academic_cr: 0.953464892096776

social_cr: 0.4647308232606

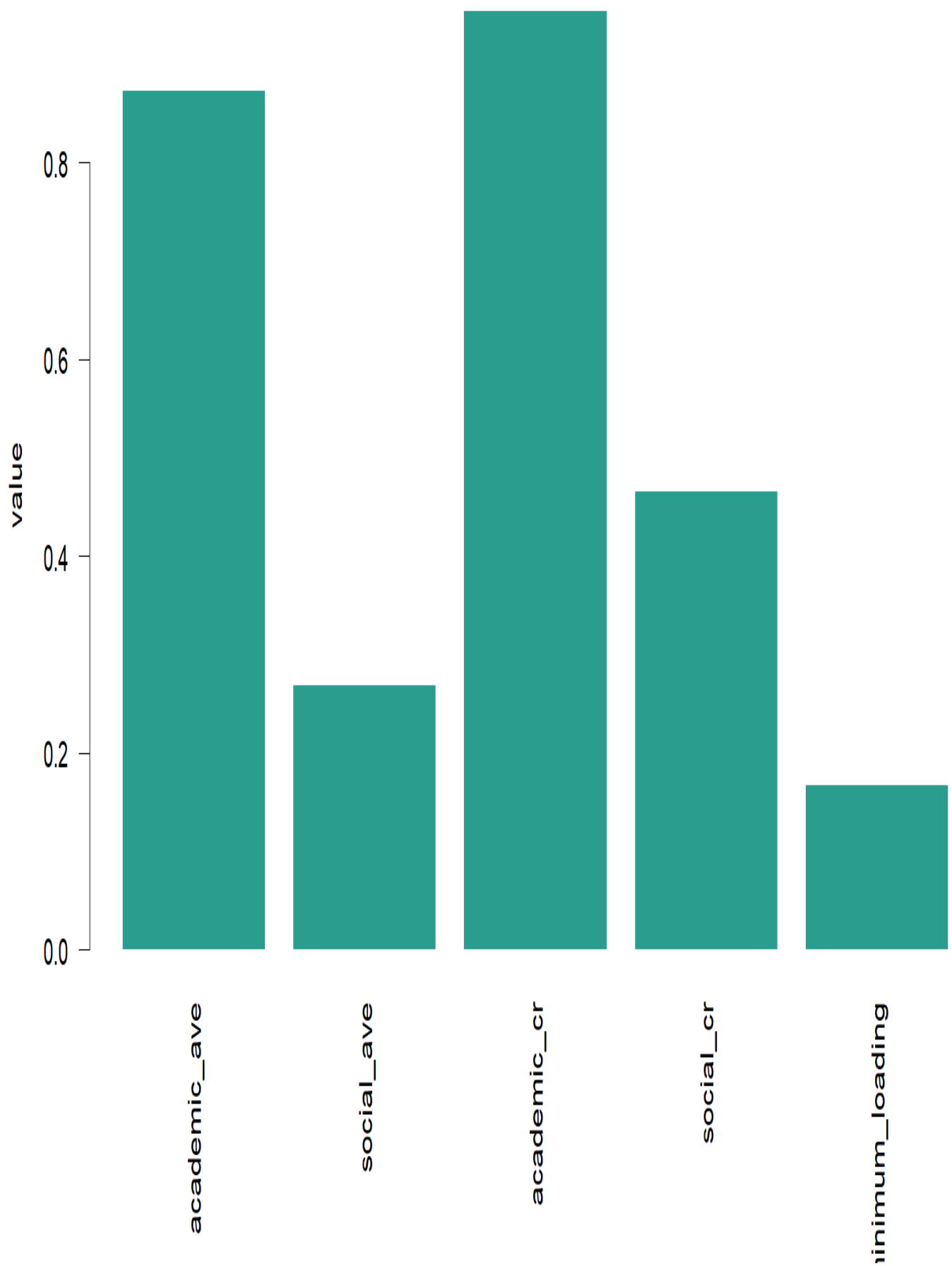
minimum_loading: 0.166408454364828

Interpretation:

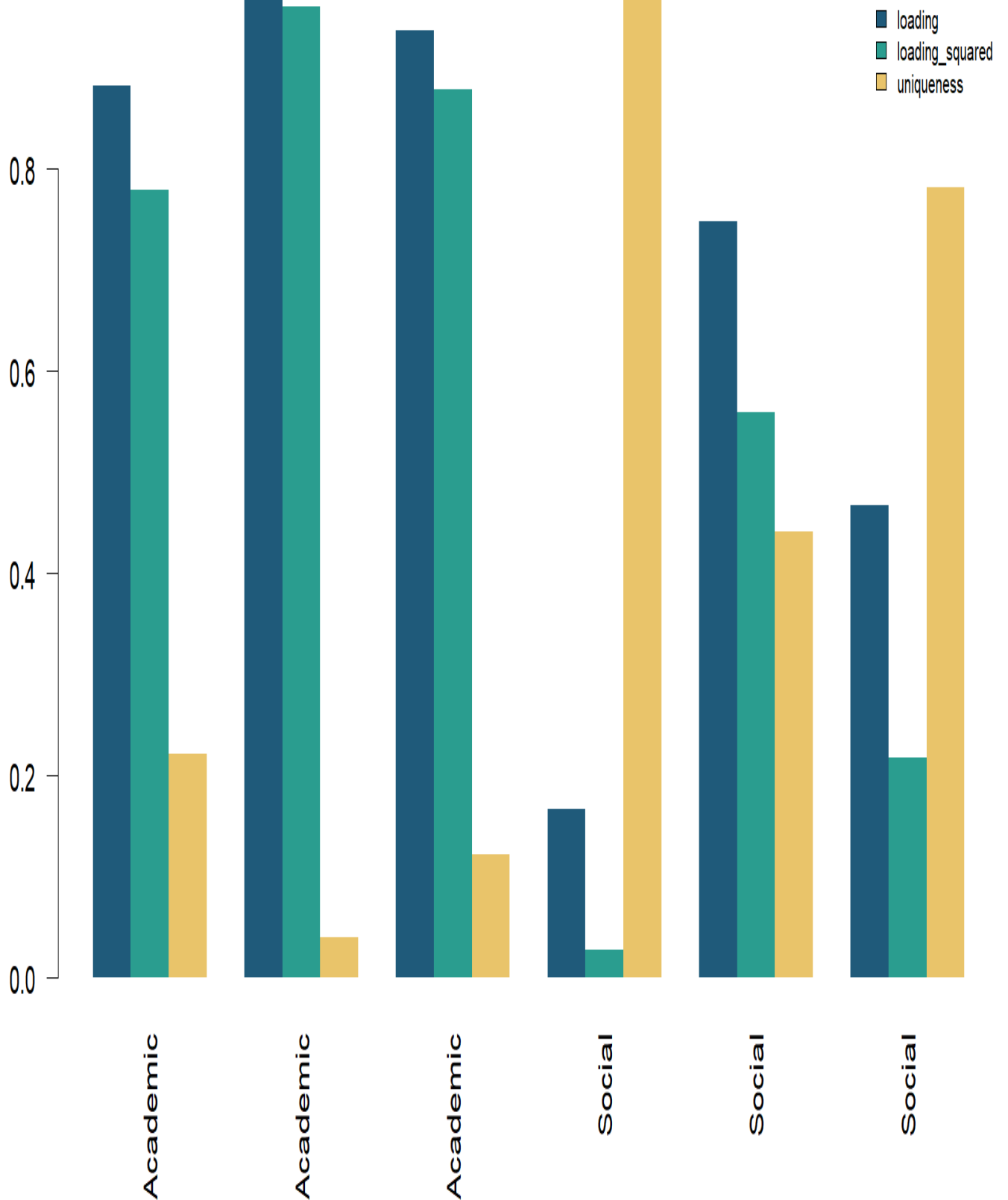
Convergence is evaluated within construct.

Minimum loading 0.166408454364828

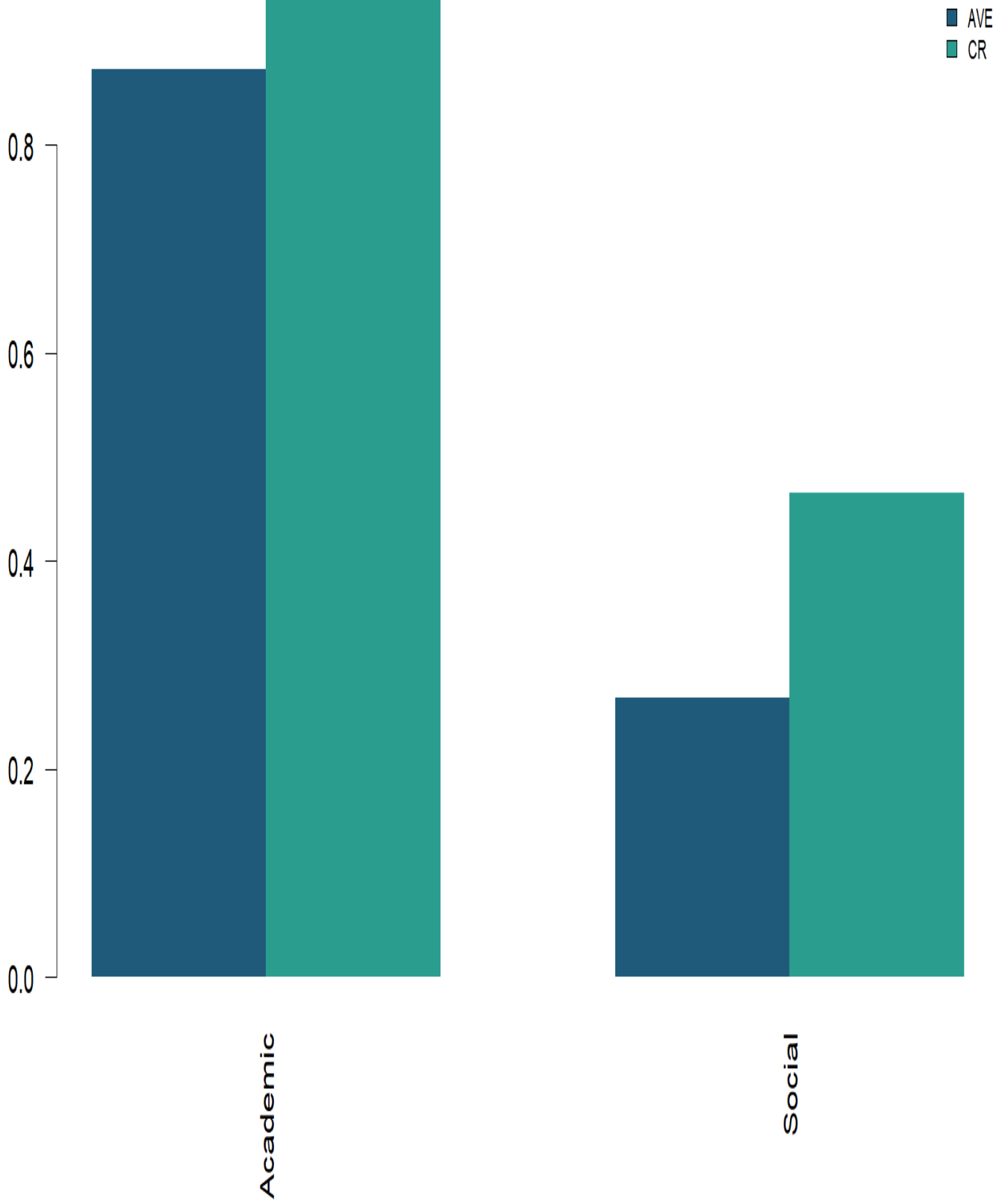
Convergent Validity - primary metrics



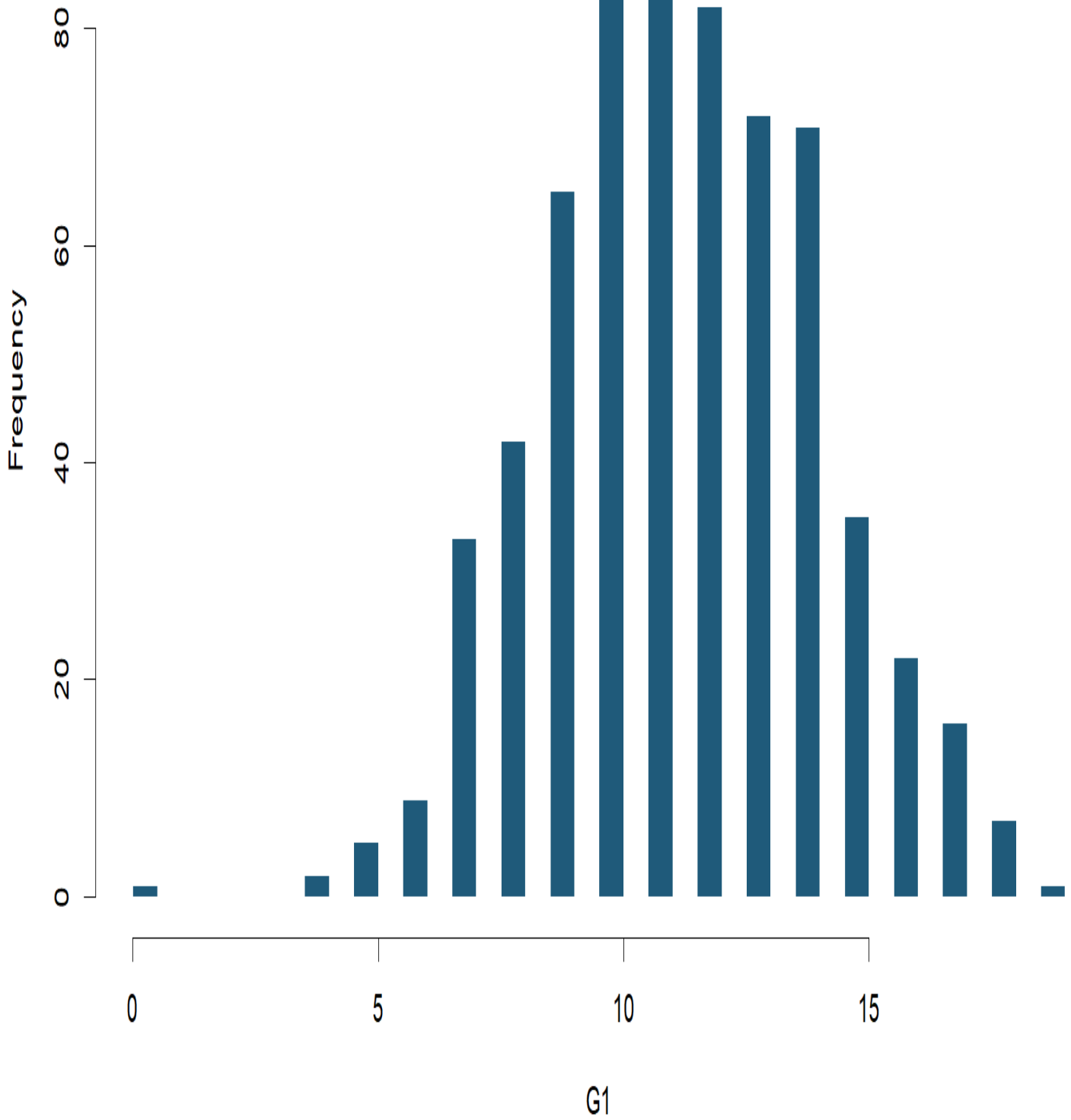
Convergent Validity - convergent loading evidence



Convergent Validity - construct convergence



Convergent Validity source G1



Convergent Validity verified results

