

Factor Loading Diagnostics

Test: Factor Loading Diagnostics

Design: Item-level magnitude, primary-factor assignment, and cross-loading checks after oblimin EFA.

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

Null hypothesis: No item has an absolute loading of at least .40.

Formula: Primary loading= $\max_j |\lambda_{ij}|$; cross-loading count= $\sum_j I(|\lambda_{ij}| \geq .40)$.

Source rows: 649

Calculated metrics:

salient_loadings: 5

cross_loading_items: 0

minimum_primary_loading: 0.201003776444869

maximum_primary_loading: 0.984992208004437

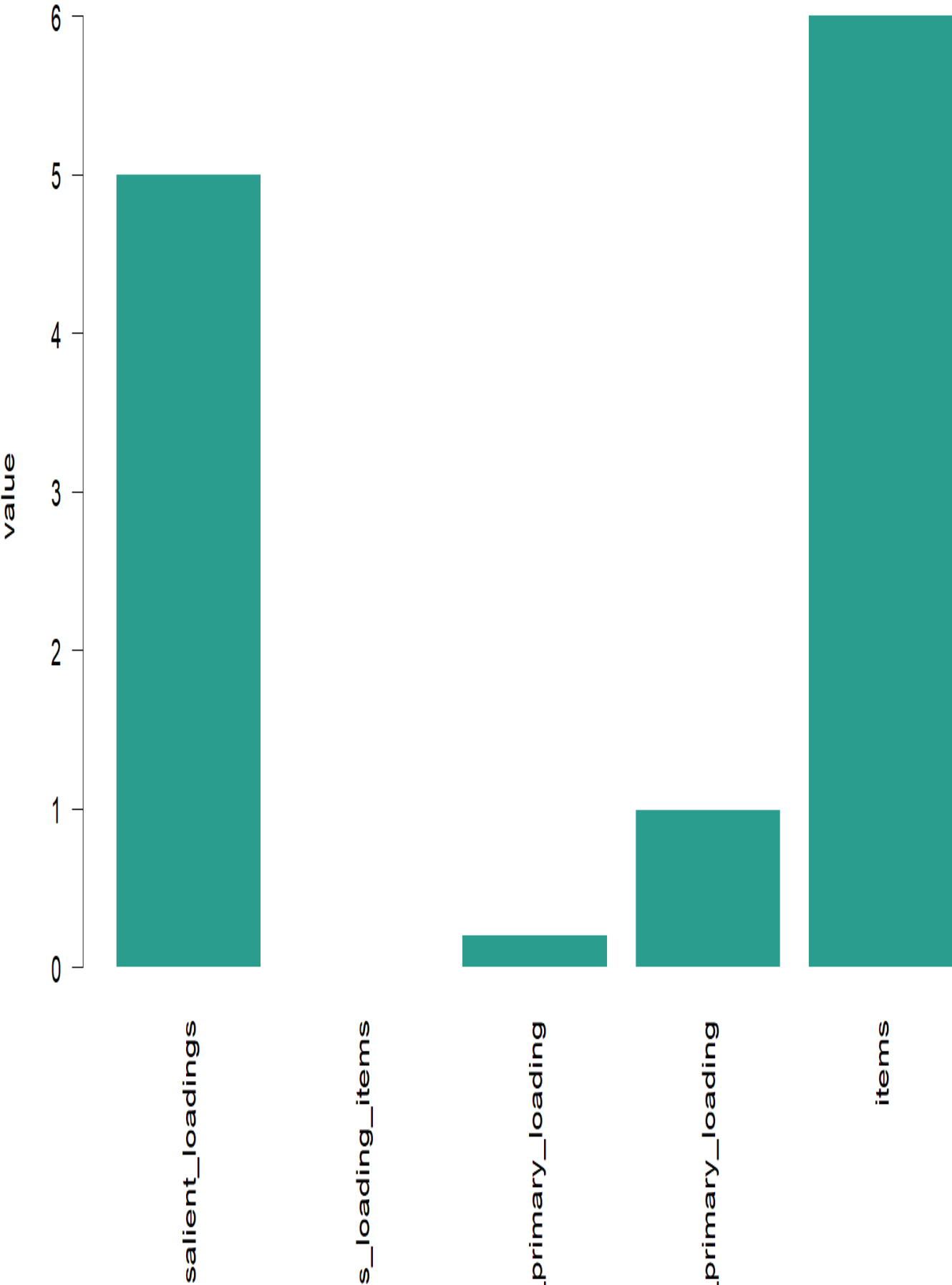
items: 6

Interpretation:

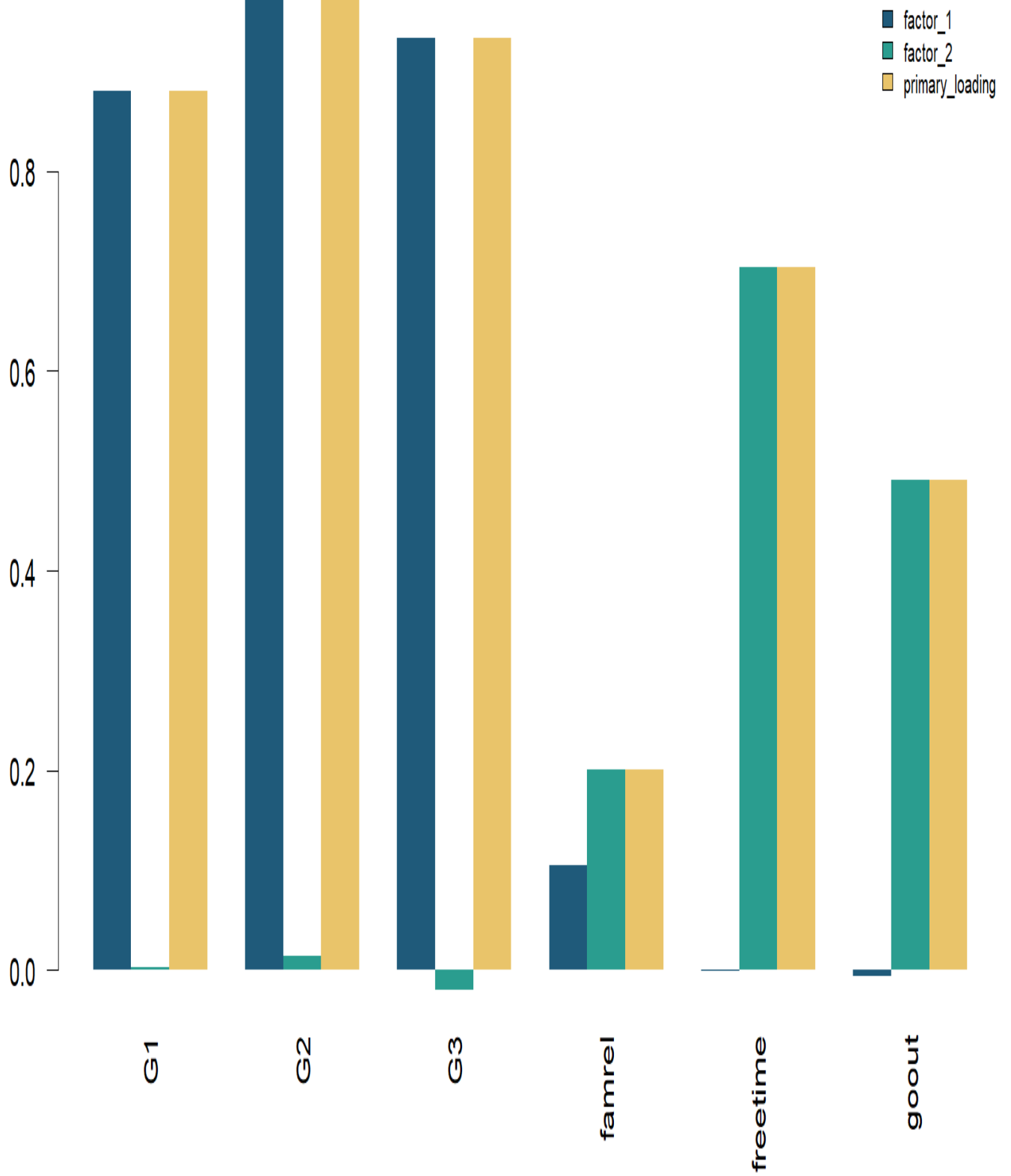
Loadings are diagnosed item by item.

Salient count 5

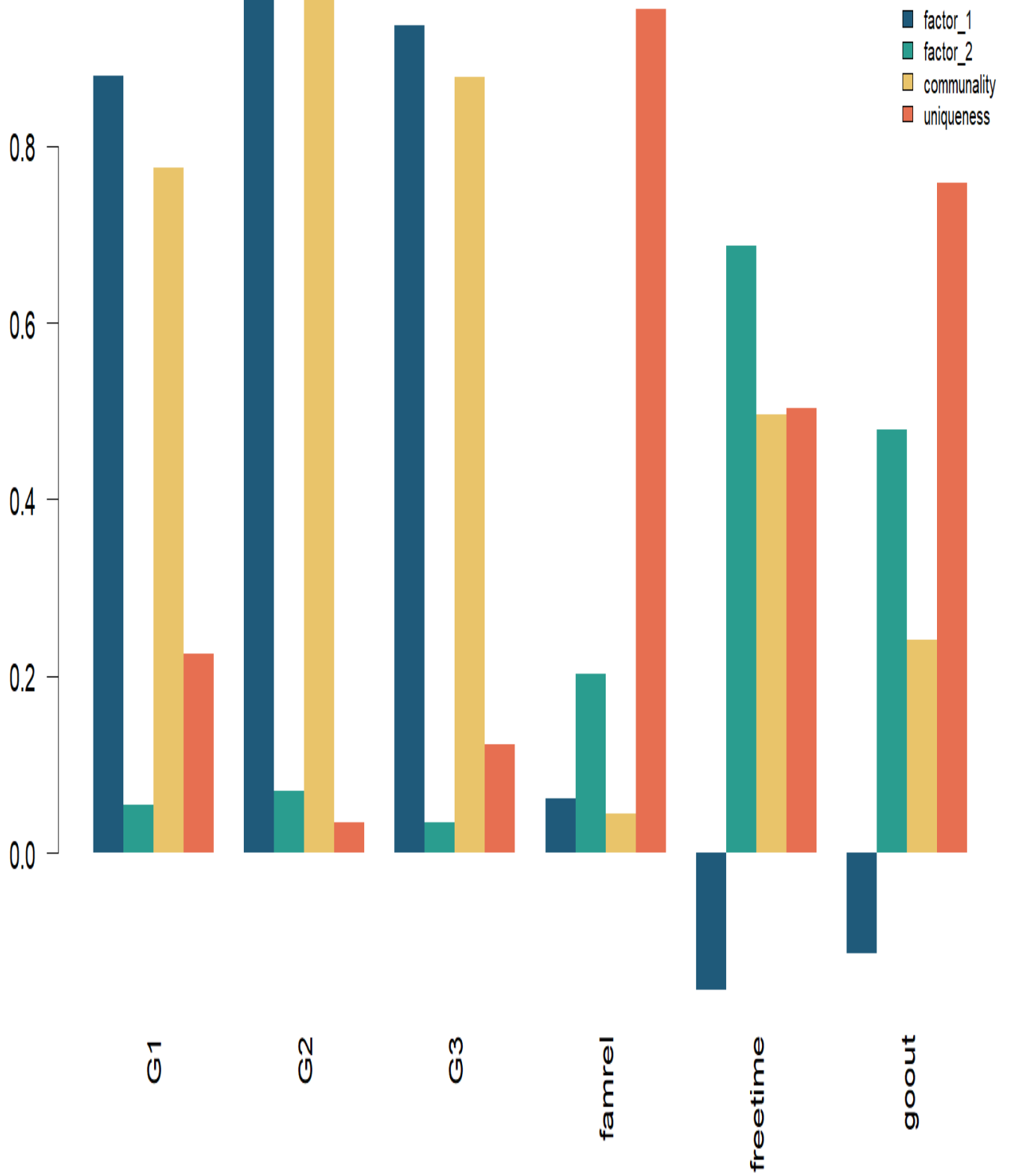
Factor Loading Diagnostics - primary metrics



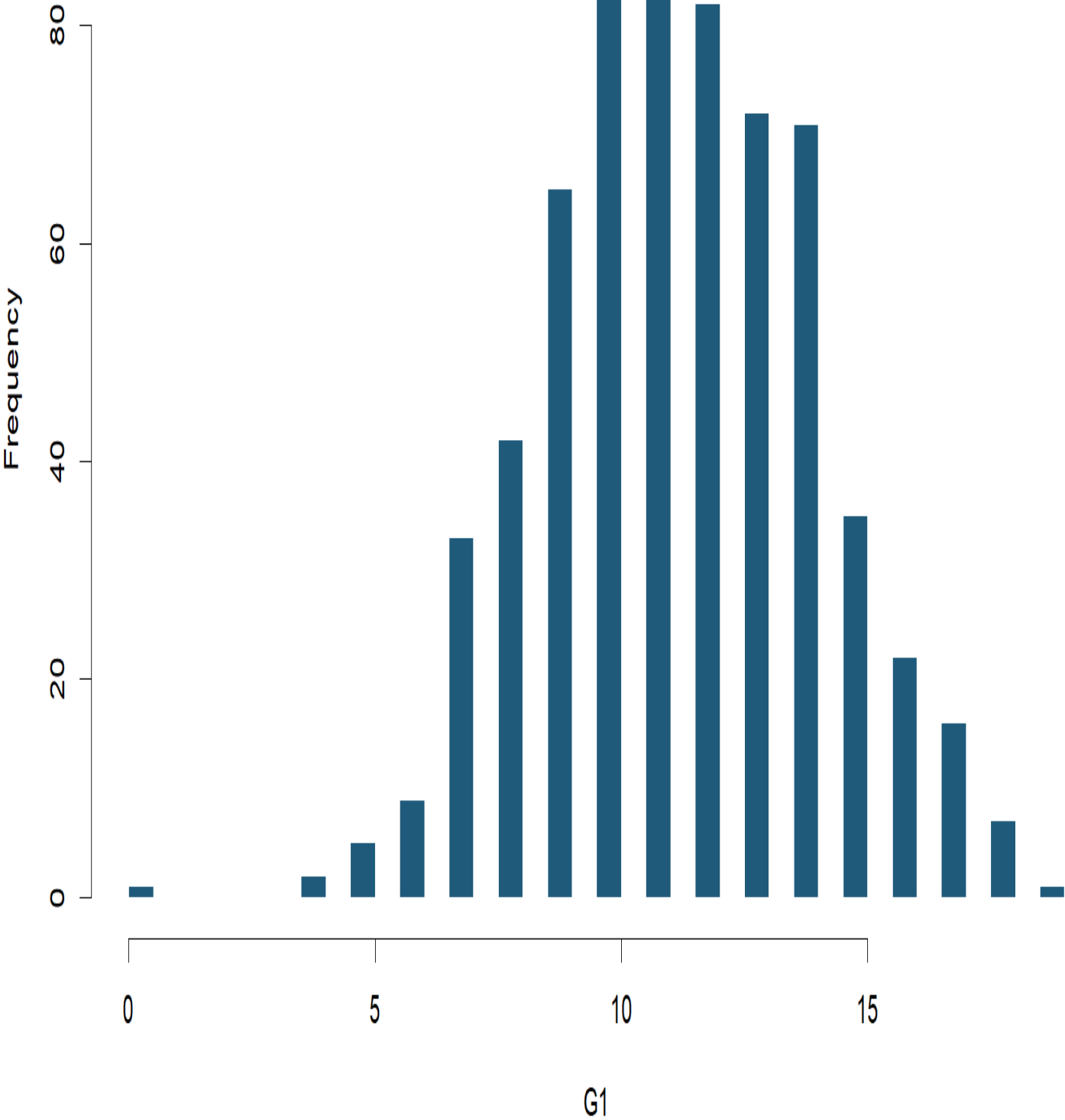
Factor Loading Diagnostics - factor loading diagnostics



Factor Loading Diagnostics - communalities context



Factor Loading Diagnostics source G1



Factor Loading Diagnostics verified results

