

SPSS–Style Principal Axis Factoring

Test: SPSS–Style Principal Axis Factoring

Design: Principal–axis extraction with Kaiser–normalized varimax rotation and diagnostic tables.

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

Null hypothesis: The retained factors have no salient rotated loadings.

Formula: PAF iterates communalities; varimax maximizes variance of squared normalized loadings.

Source rows: 649

Calculated metrics:

factors: 2

kmo: 0.731977033064014

bartlett_chi_square: 2220.63174159018

bartlett_p_value: 0

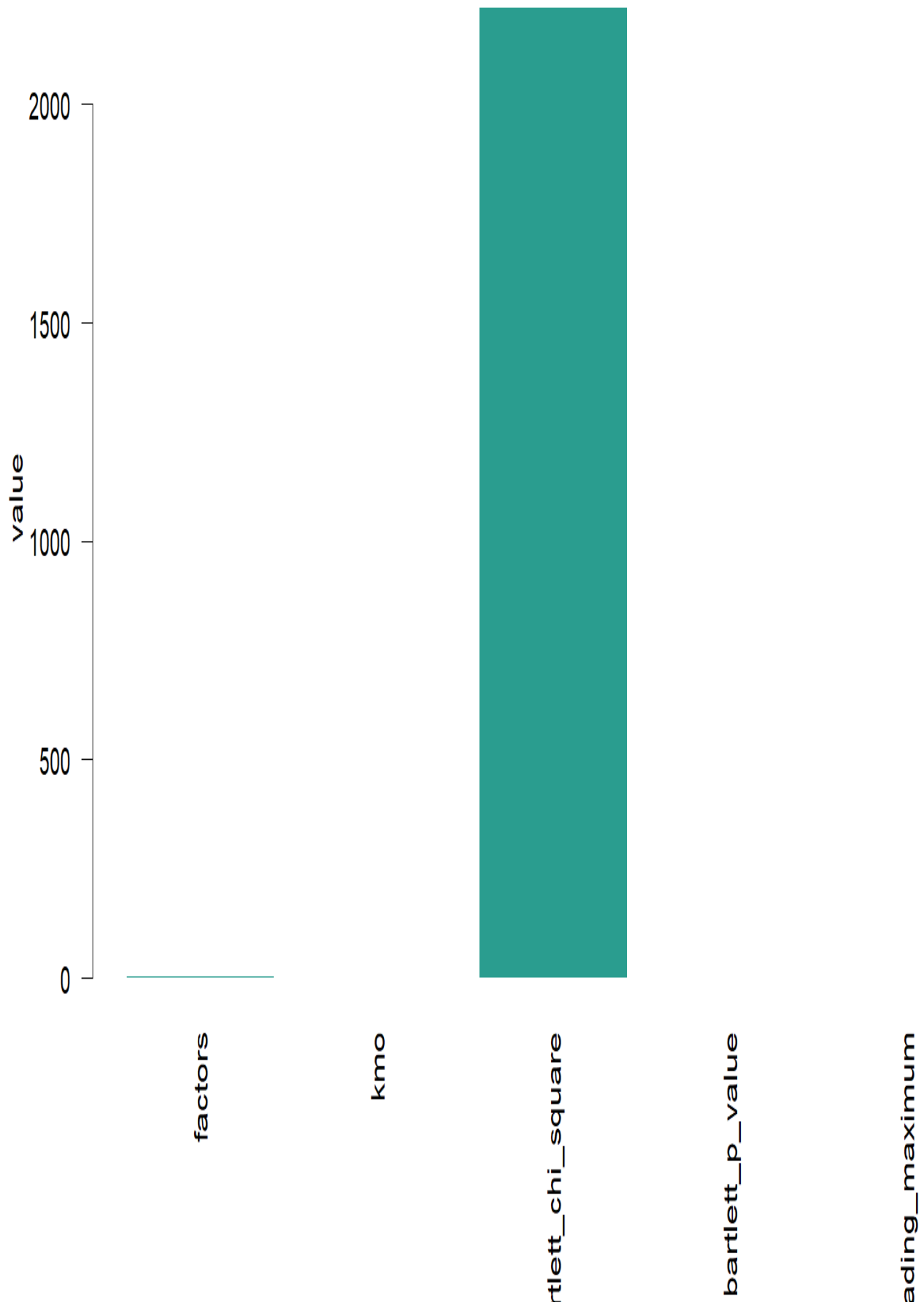
rotation_loading_maximum: 0.982458740508647

Interpretation:

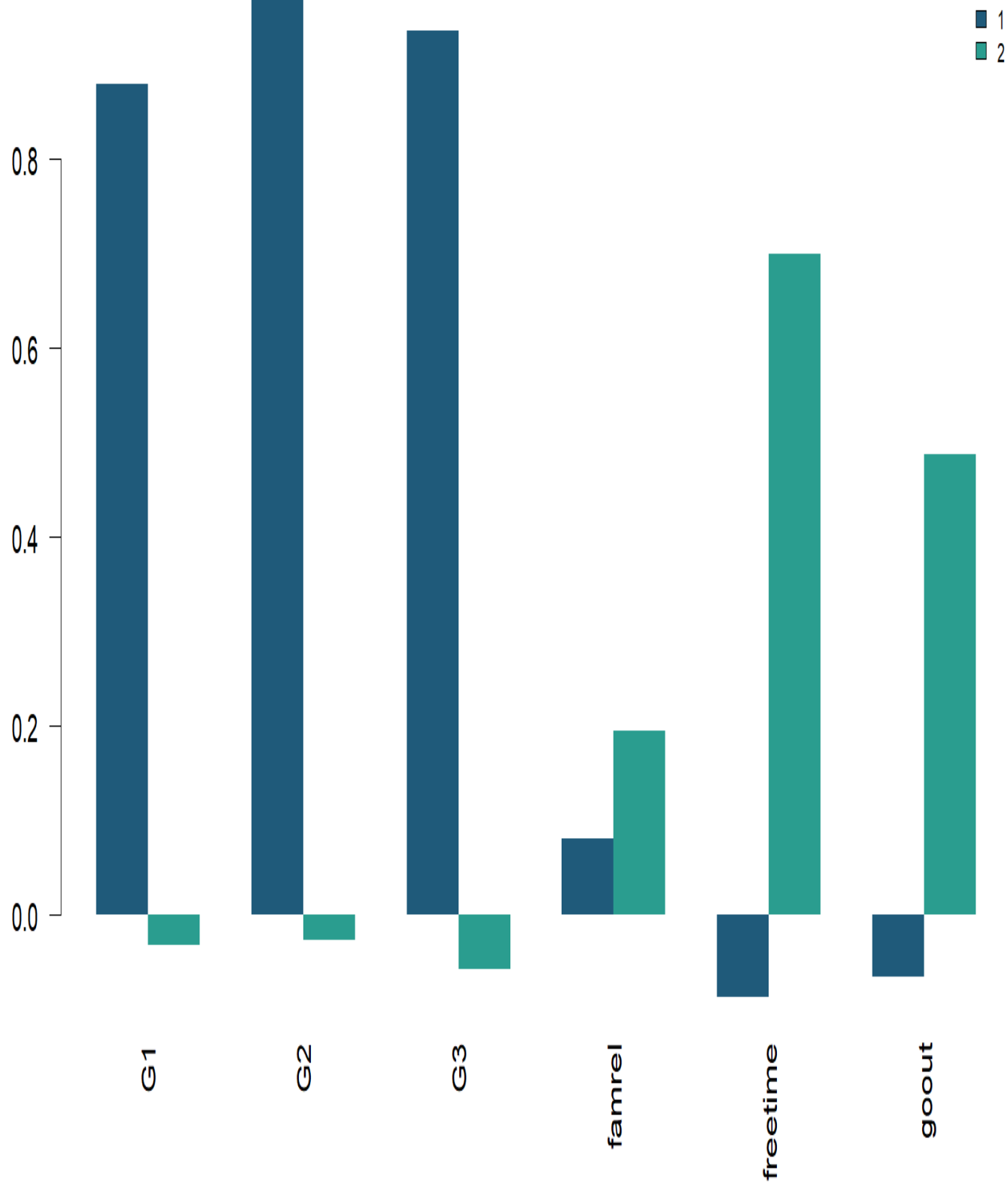
SPSS–style PAF uses orthogonal varimax.

KMO 0.731977033064014

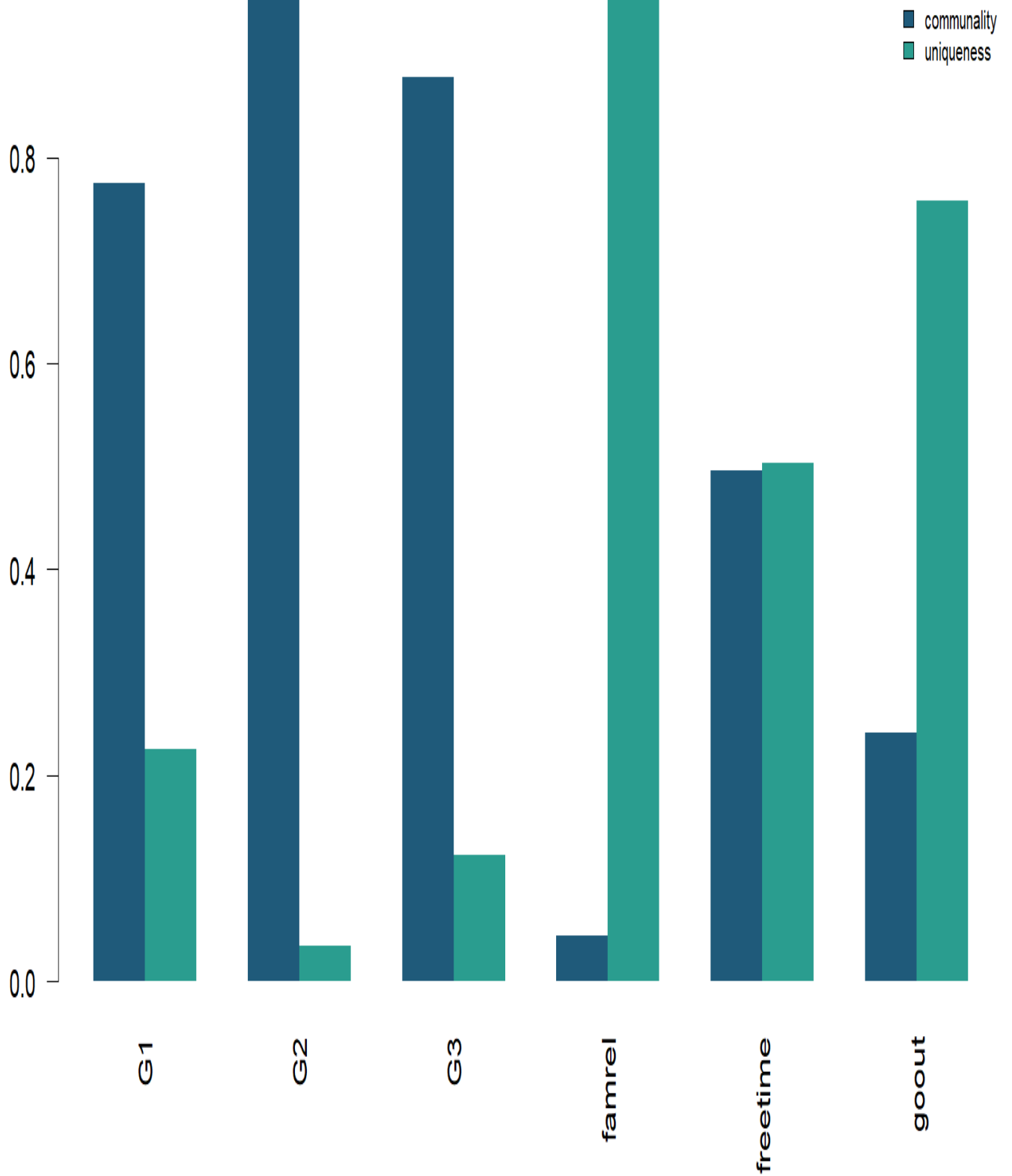
SPSS-Style Principal Axis Factoring - primary metrics



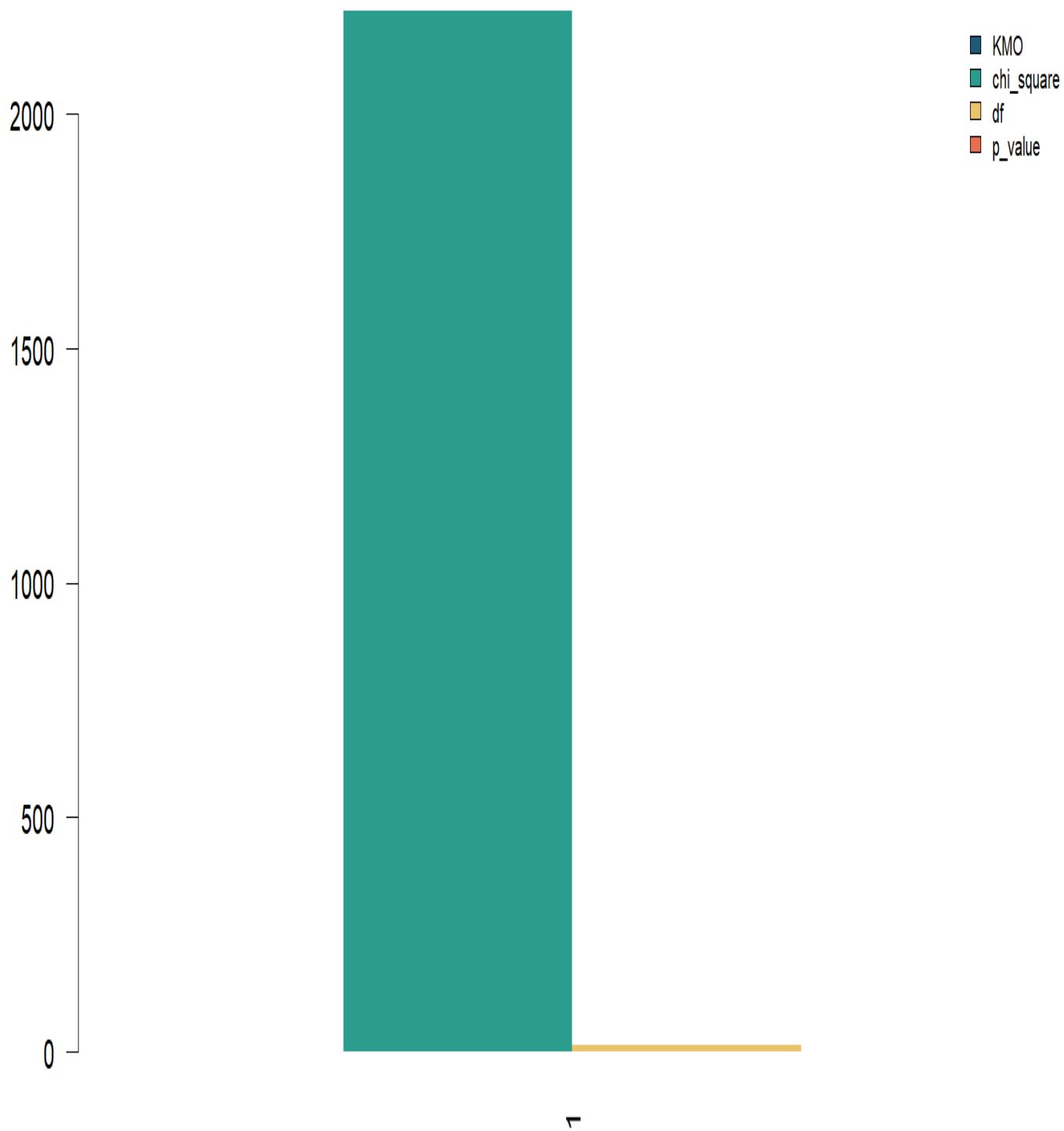
SPSS-Style Principal Axis Factoring - spss rotated factor matrix



SPSS-Style Principal Axis Factoring - spss communalities



SPSS-Style Principal Axis Factoring - spss factorability



SPSS-Style Principal Axis Factoring verified results

