

McDonald's One-Factor Omega Total

Test: McDonald's One-Factor Omega Total

Design: Congeneric reliability of the standardized six-item scale using one principal-axis common factor.

Variables: famrel, freetime, goout, Dalc_R, Walc_R, health

Null hypothesis: The common factor accounts for no reliable variance in the unit-weighted total.

Formula: $\omega_t = \frac{(\sum \lambda_i)^2}{(\sum \lambda_i)^2 + \sum \psi_i}$.

Source rows: 649

Calculated metrics:

omega_total: 0.119585932320125

items: 6

n_cases: 649

sum_loadings: 0.782644264979481

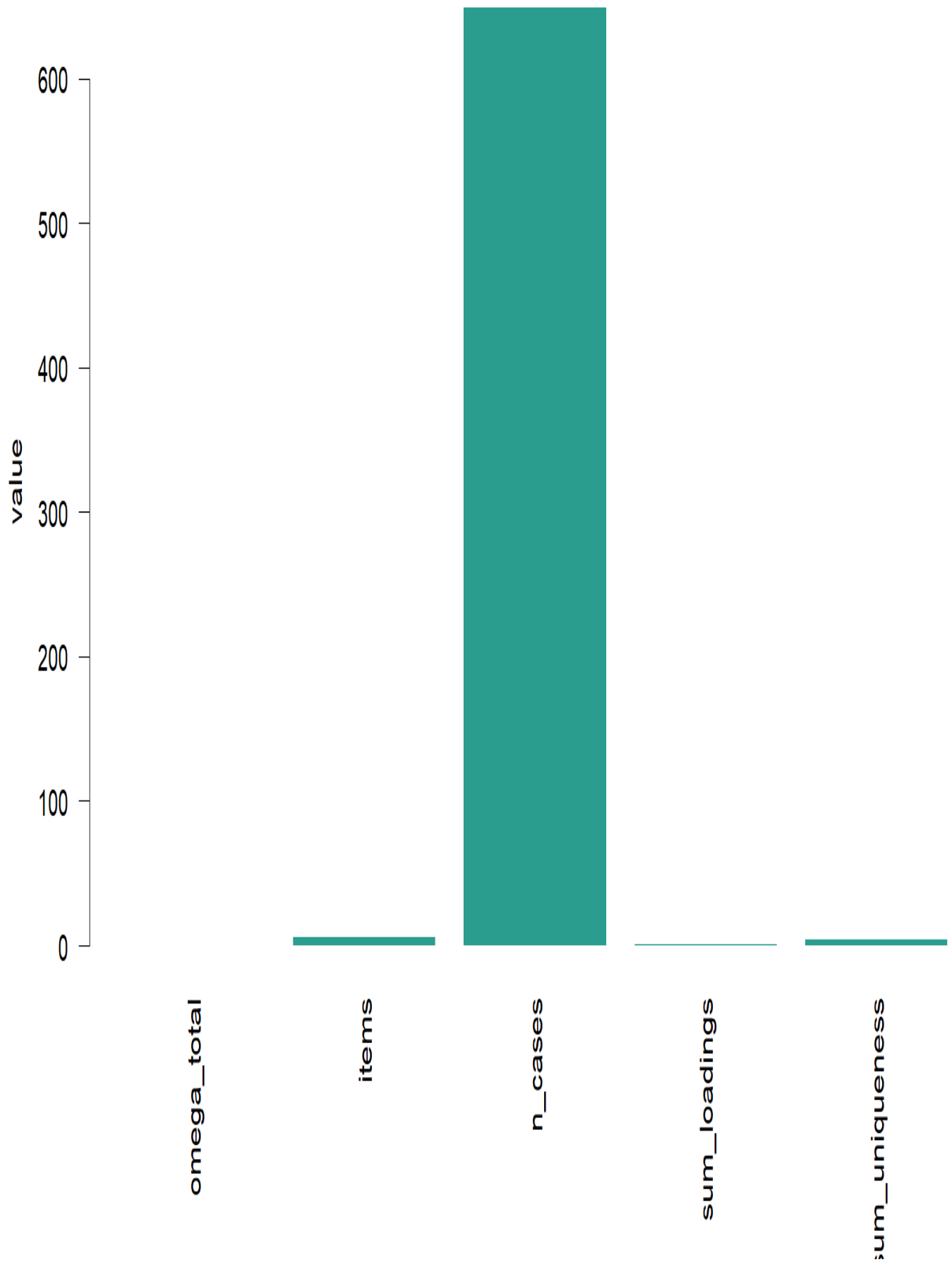
sum_uniqueness: 4.50957582806598

Interpretation:

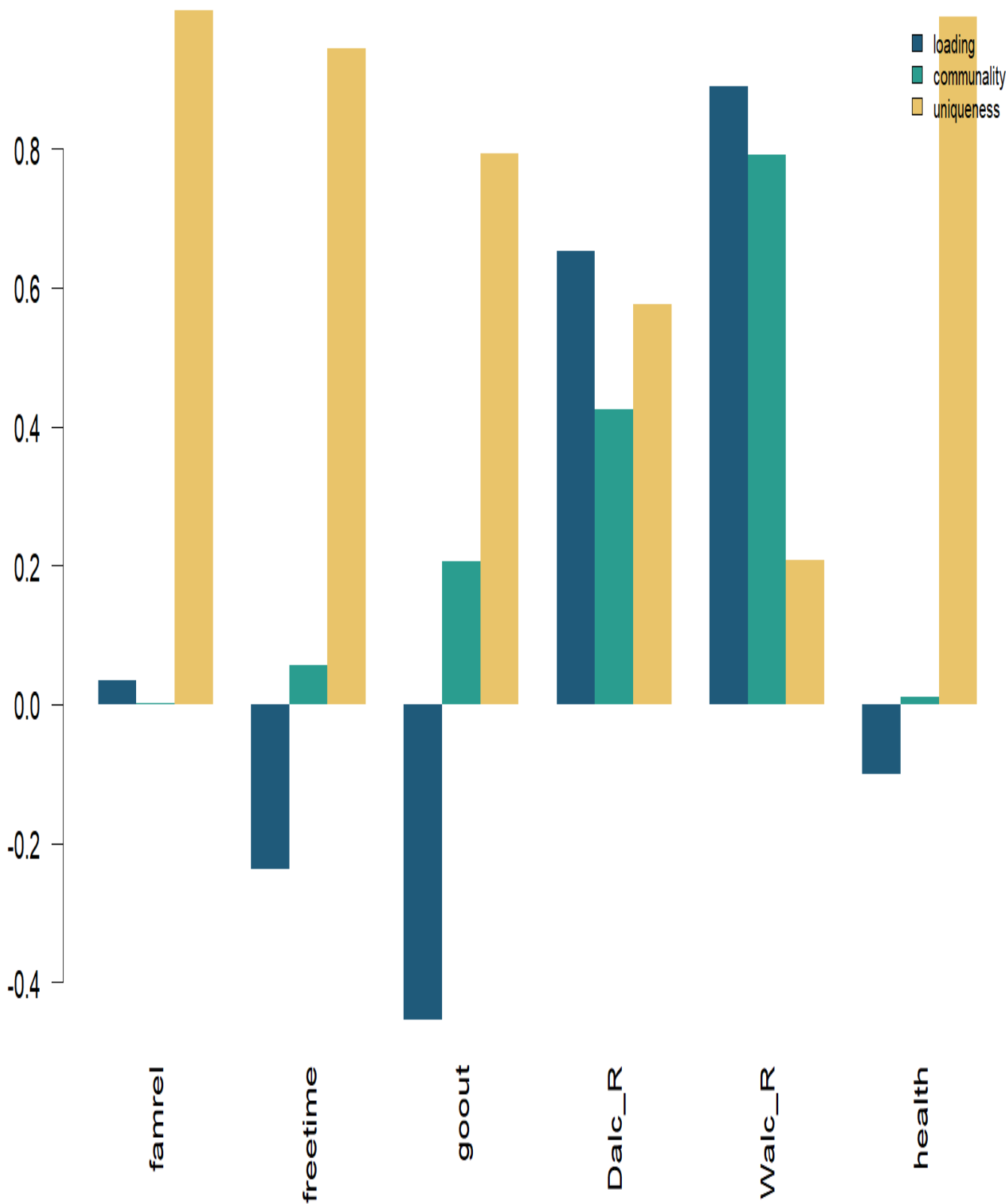
A converged one-factor principal-axis solution supplies congeneric loadings.

Omega total 0.119585932320125

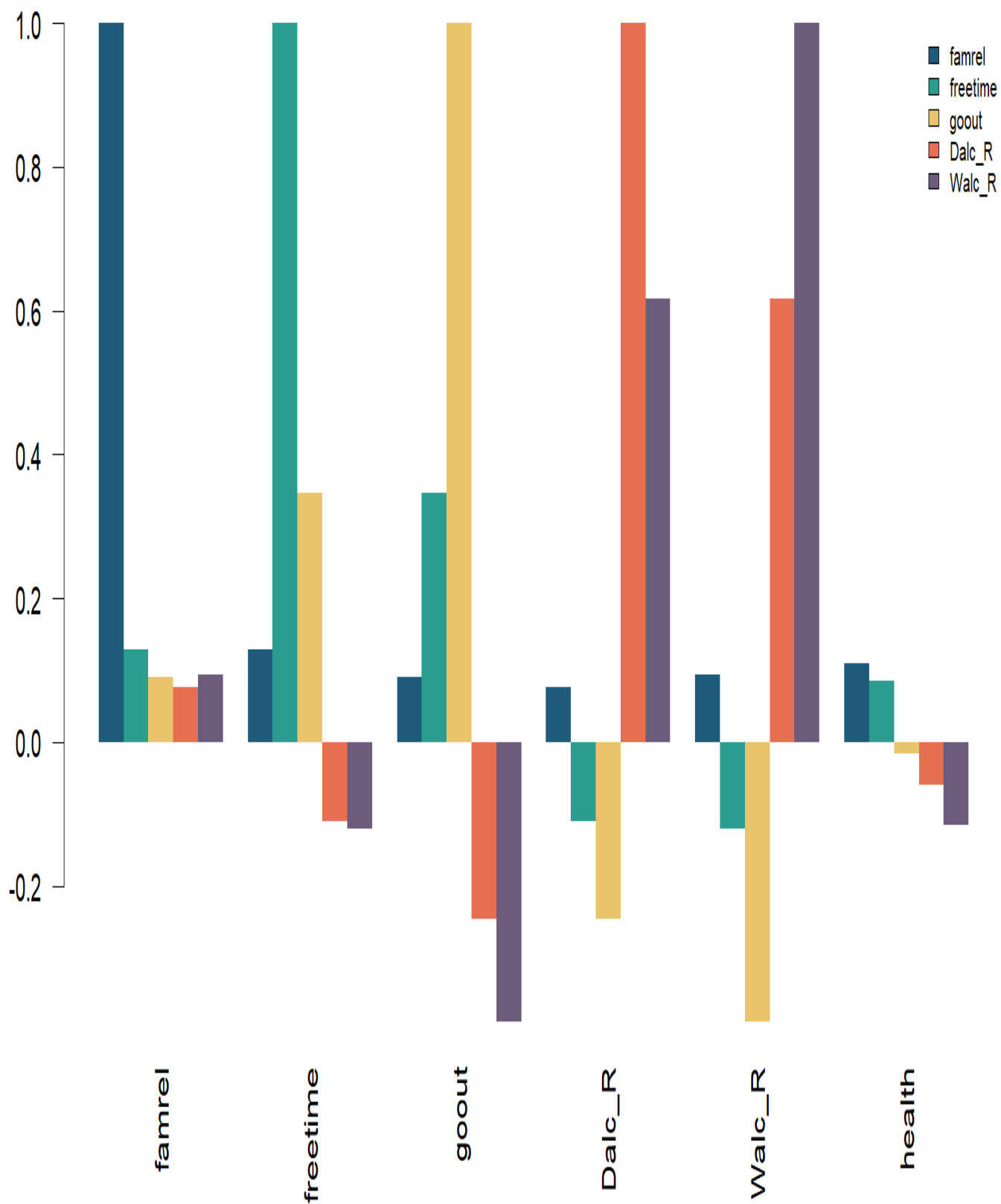
McDonald's One-Factor Omega Total - primary metrics



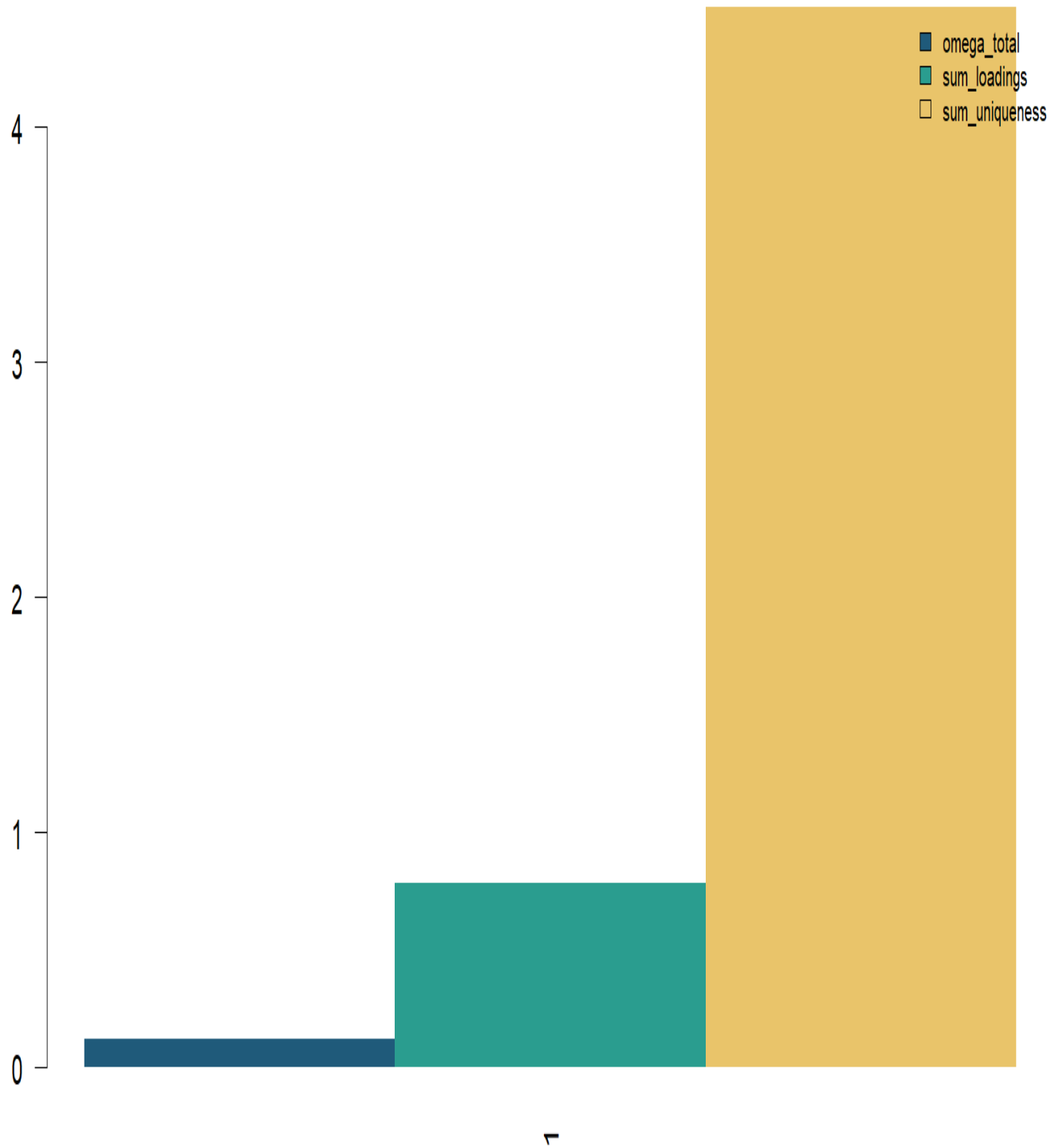
McDonald's One-Factor Omega Total - principal axis components



McDonald's One-Factor Omega Total - item correlation matrix



McDonald's One-Factor Omega Total - omega result



McDonald's One-Factor Omega Total verified results

