

# Standardized Root Mean Square Residual

Test: Standardized Root Mean Square Residual

Design: Average magnitude of standardized covariance residuals for the CFA.

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

Null hypothesis: The standardized residual covariance matrix is zero.

Formula:  $SRMR = \sqrt{\text{mean}_{i \geq j} [(s_{ij} - \sigma_{ij}) / \sqrt{s_{ii} s_{jj}}]^2}$ .

Source rows: 649

Calculated metrics:

srmr: 0.0356631632047897

maximum\_standardized\_residual: 0.113188546934651

mean\_absolute\_residual: 0.0173461196779373

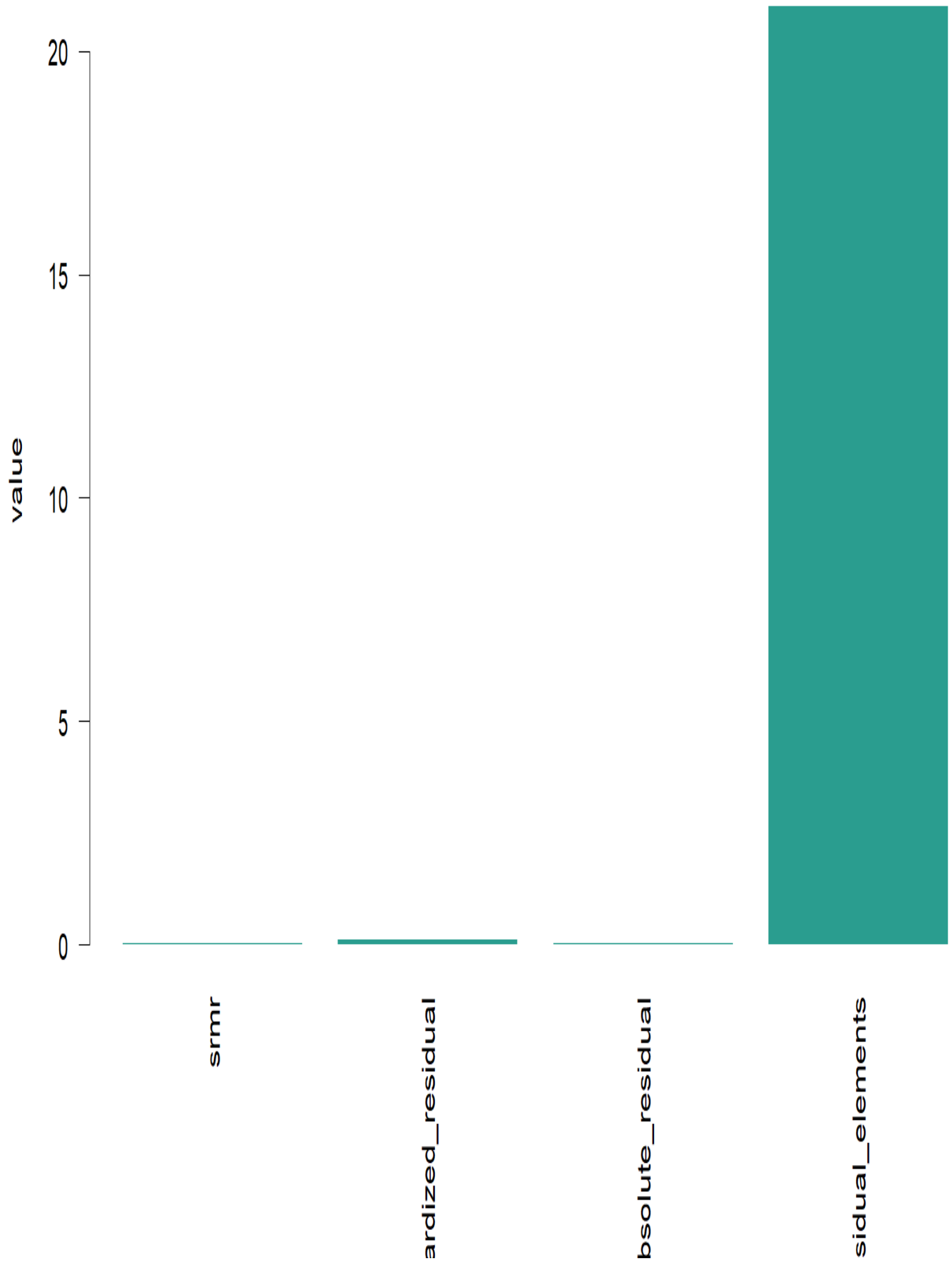
residual\_elements: 21

Interpretation:

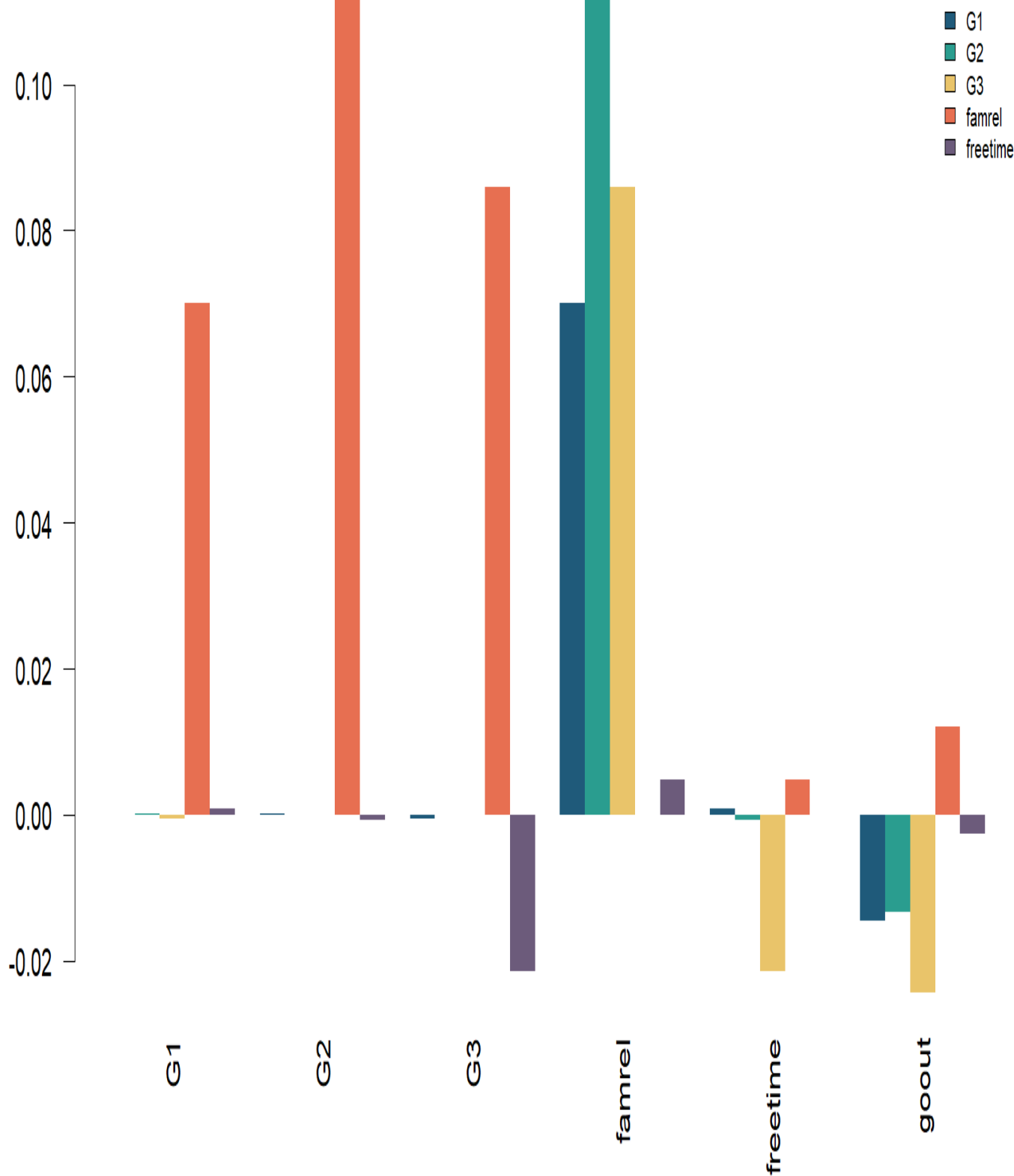
SRMR averages standardized covariance residuals.

SRMR 0.0356631632047897

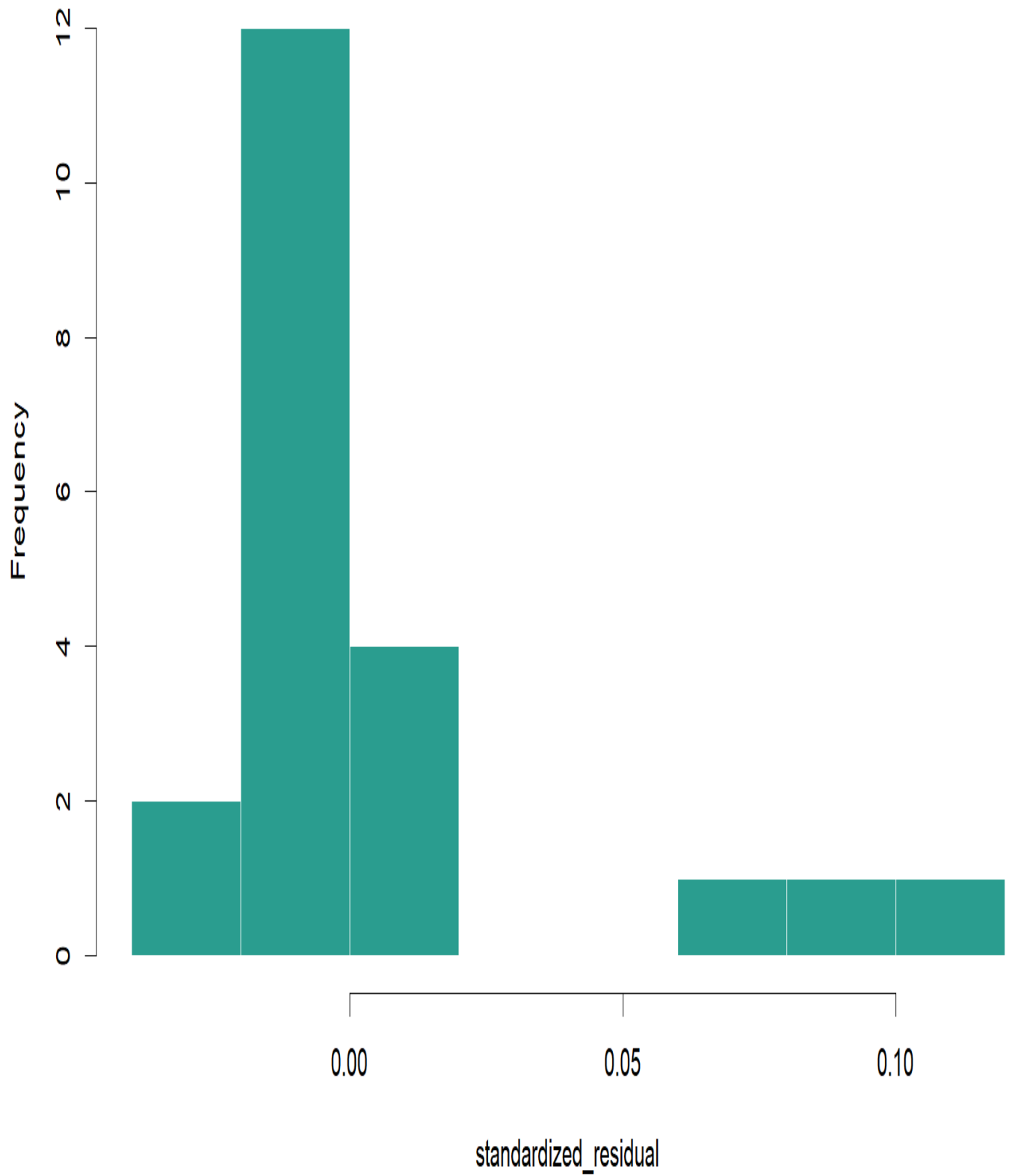
## Standardized Root Mean Square Residual - primary metrics



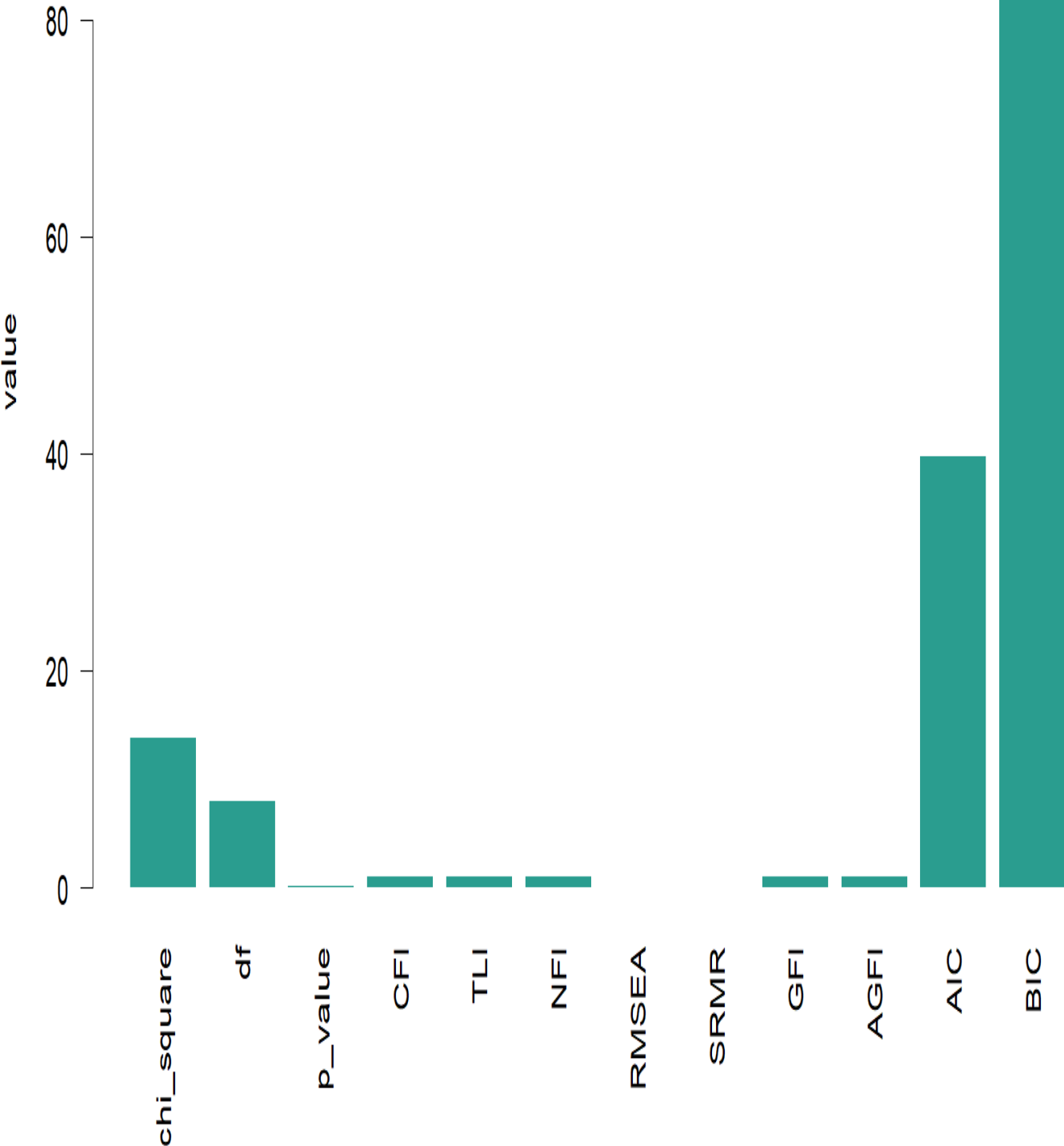
Standardized Root Mean Square Residual - srmr standardized residual matrix



# Standardized Root Mean Square Residual - srmr residual distribution



Standardized Root Mean Square Residual - srmr fit context



## Standardized Root Mean Square Residual verified results

