

Comparative Fit Index

Test: Comparative Fit Index

Design: Incremental CFA fit relative to an independence baseline model.

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

Null hypothesis: The target model does not improve noncentral fit over the independence model.

Formula: $CFI = 1 - \max(\chi^2 - df, 0) / \max(\chi^2 - df, \chi^2_b - df_b, 0)$.

Source rows: 649

Calculated metrics:

cfi: 0.997398206239512

target_chi_square: 13.7639720984401

target_df: 8

baseline_chi_square: 2230.38393472039

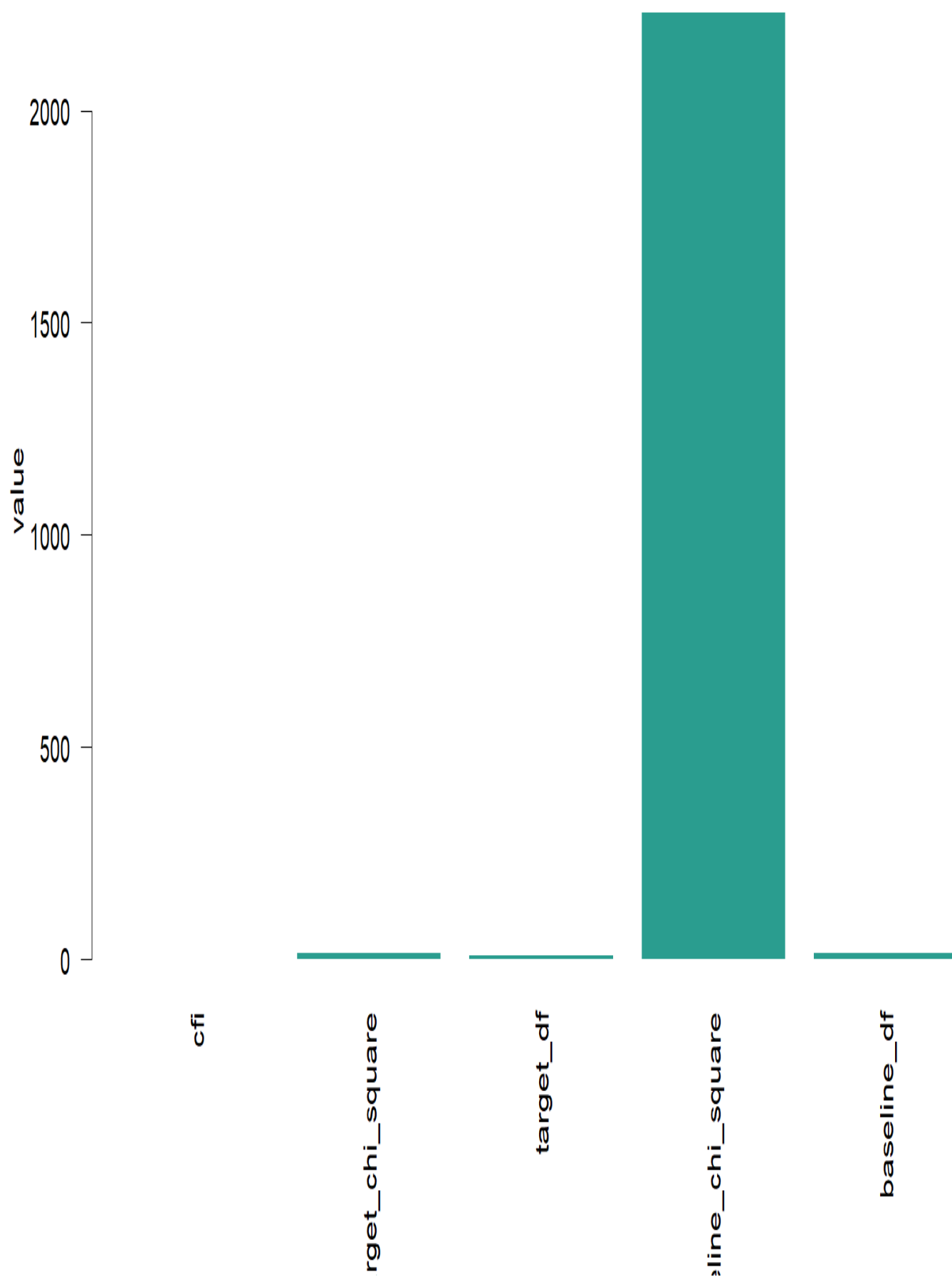
baseline_df: 15

Interpretation:

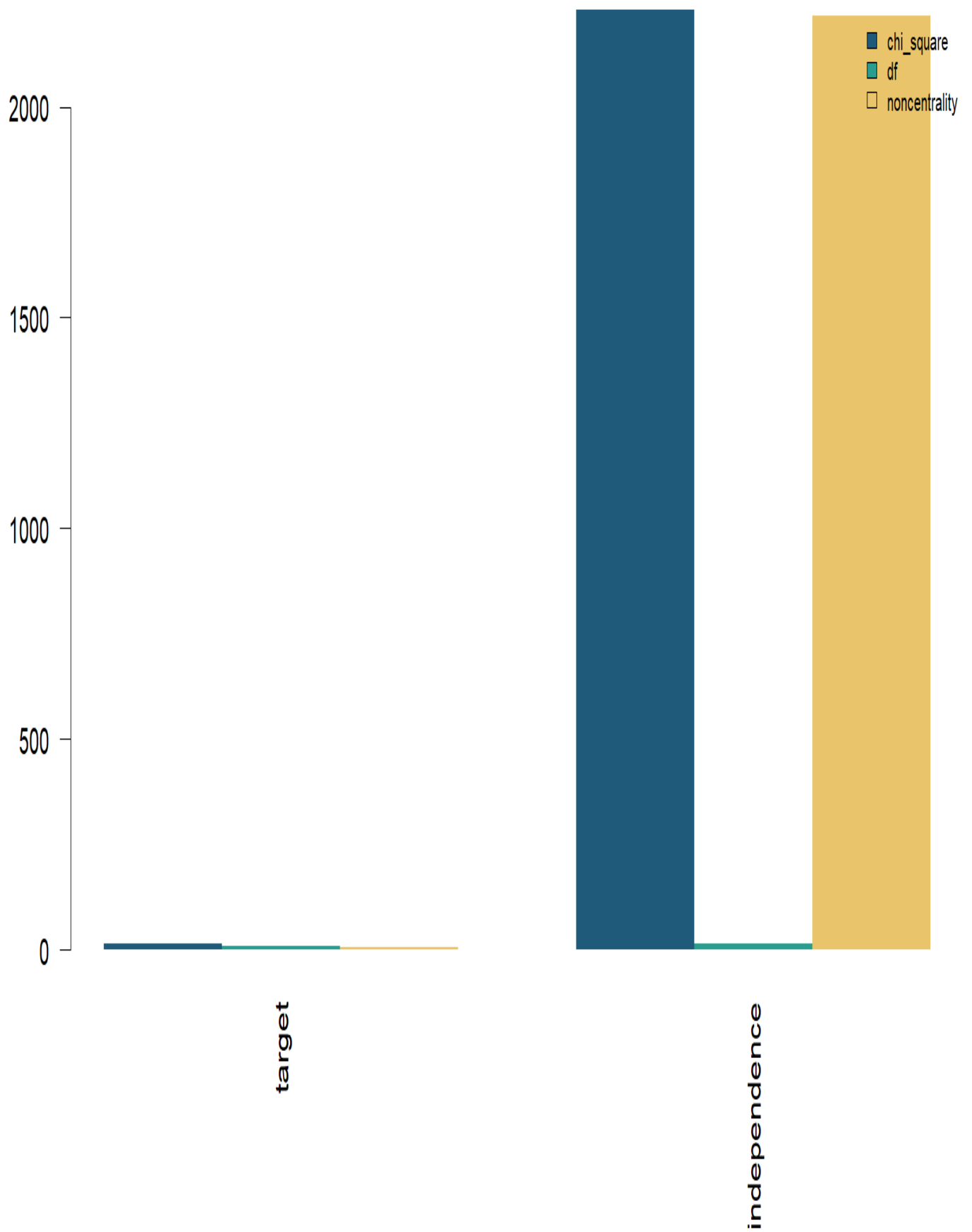
CFI compares target and independence-model noncentrality.

CFI 0.997398206239512

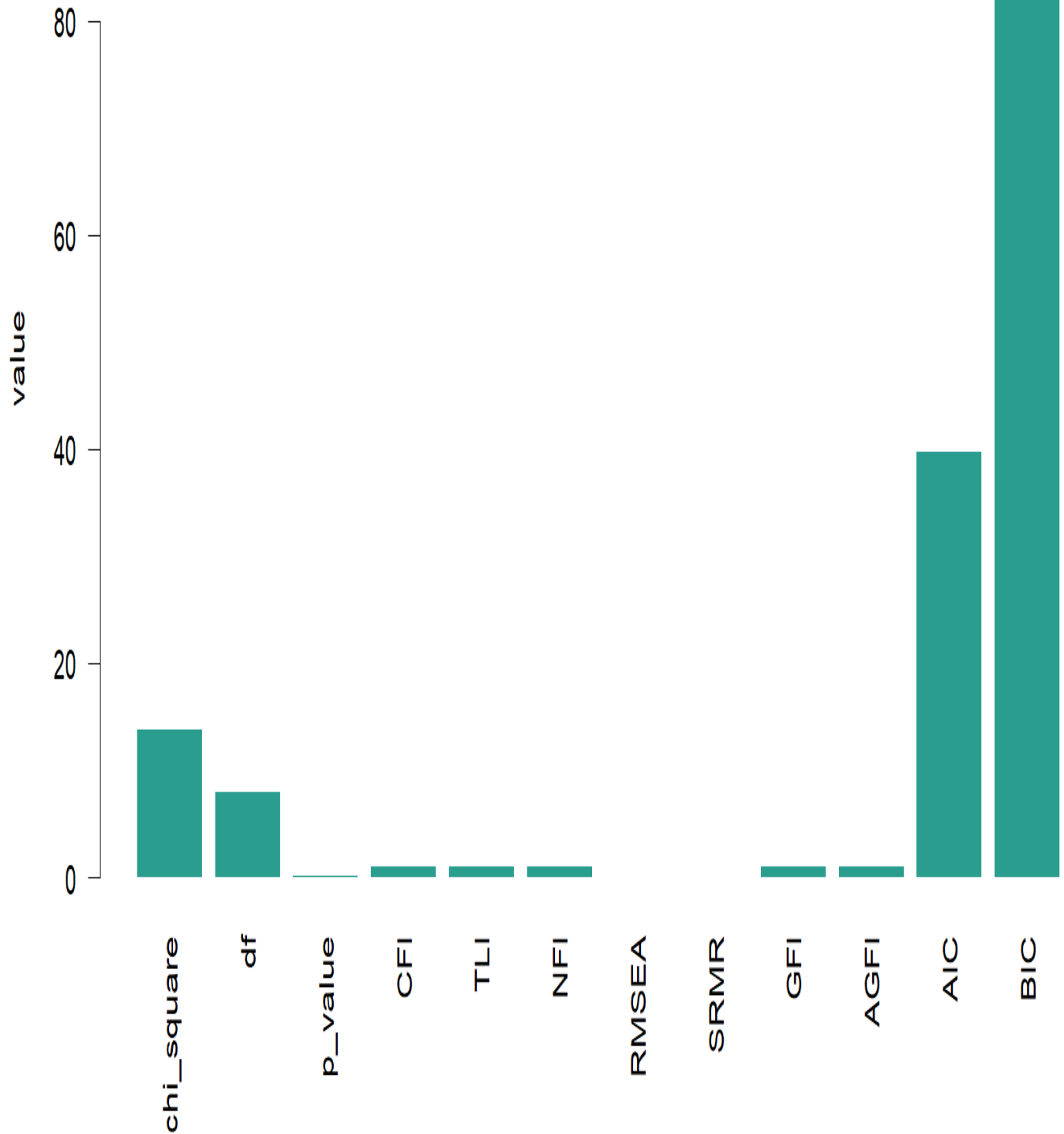
Comparative Fit Index - primary metrics



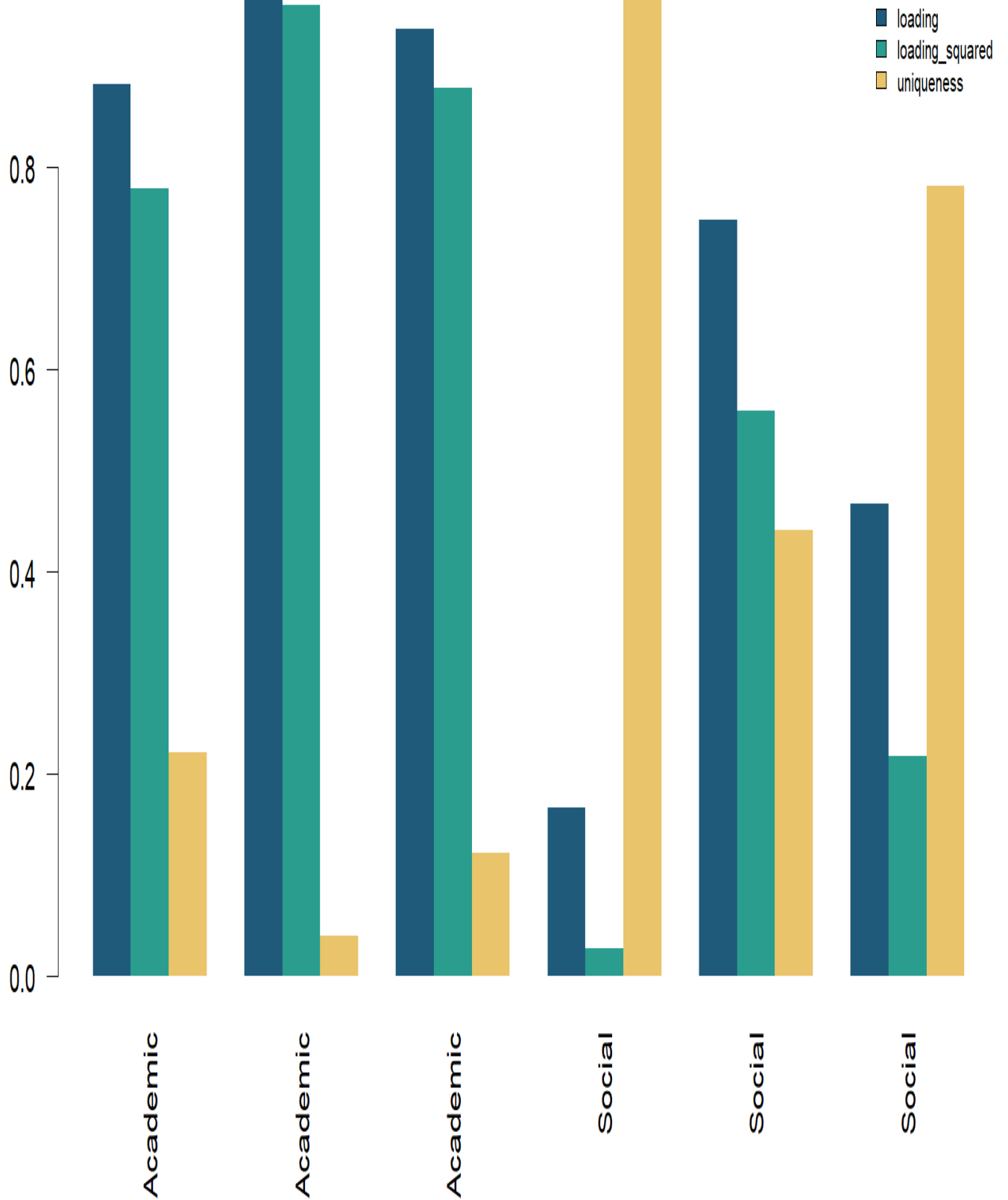
Comparative Fit Index - cfi components



Comparative Fit Index - fit indices



Comparative Fit Index - standardized loadings



Comparative Fit Index verified results

