

Tucker–Lewis Index

Test: Tucker–Lewis Index

Design: Parsimony-sensitive incremental fit using target and baseline chi-square per degree of freedom.

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

Null hypothesis: The target model does not improve chi-square per df relative to independence.

Formula: $TLI = (\chi^2_b/df_b - \chi^2_t/df_t) / (\chi^2_b/df_b - 1)$.

Source rows: 649

Calculated metrics:

tli: 0.995121636699086

target_chi_square_per_df: 1.72049651230501

baseline_chi_square_per_df: 148.692262314693

target_df: 8

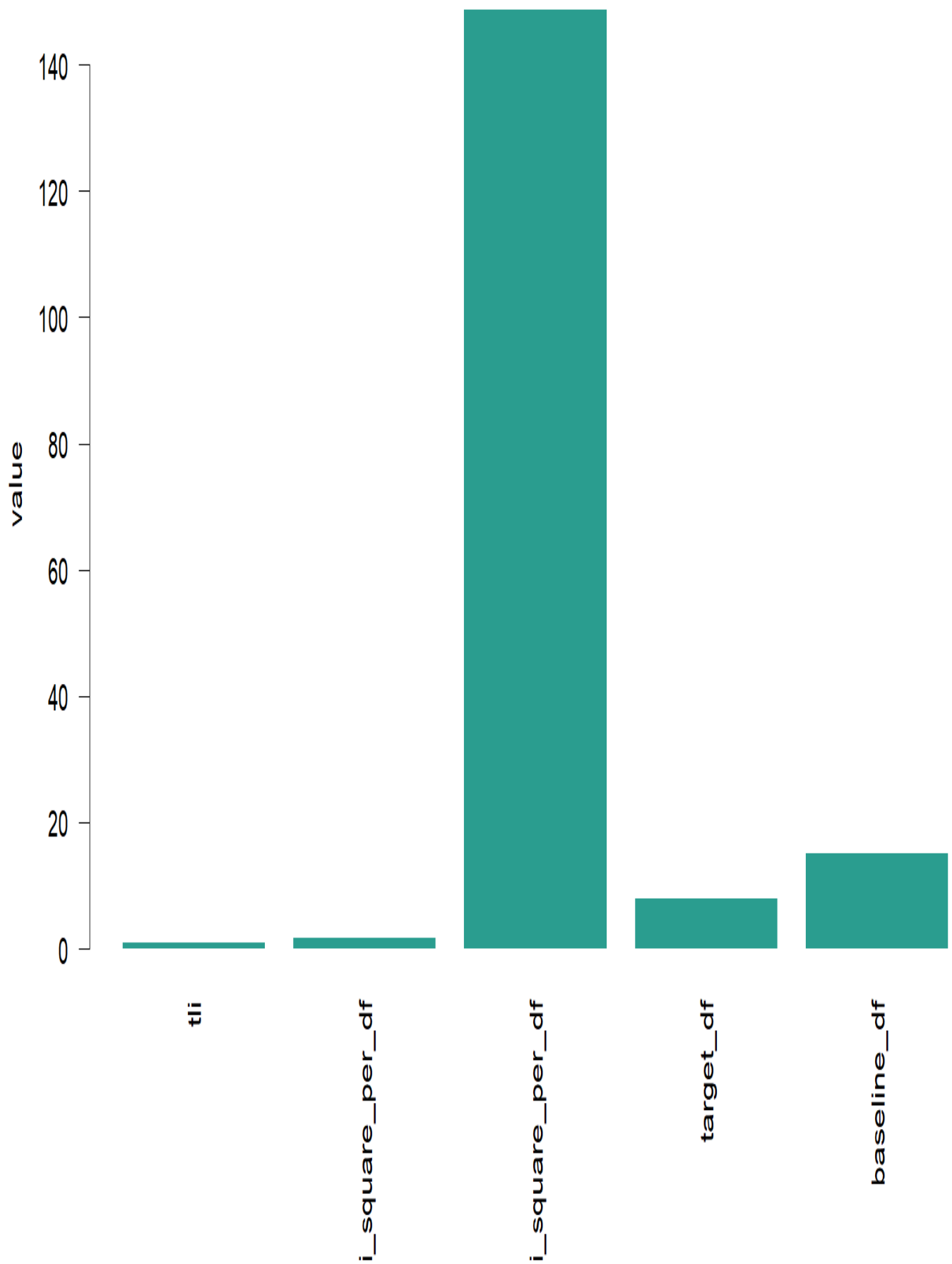
baseline_df: 15

Interpretation:

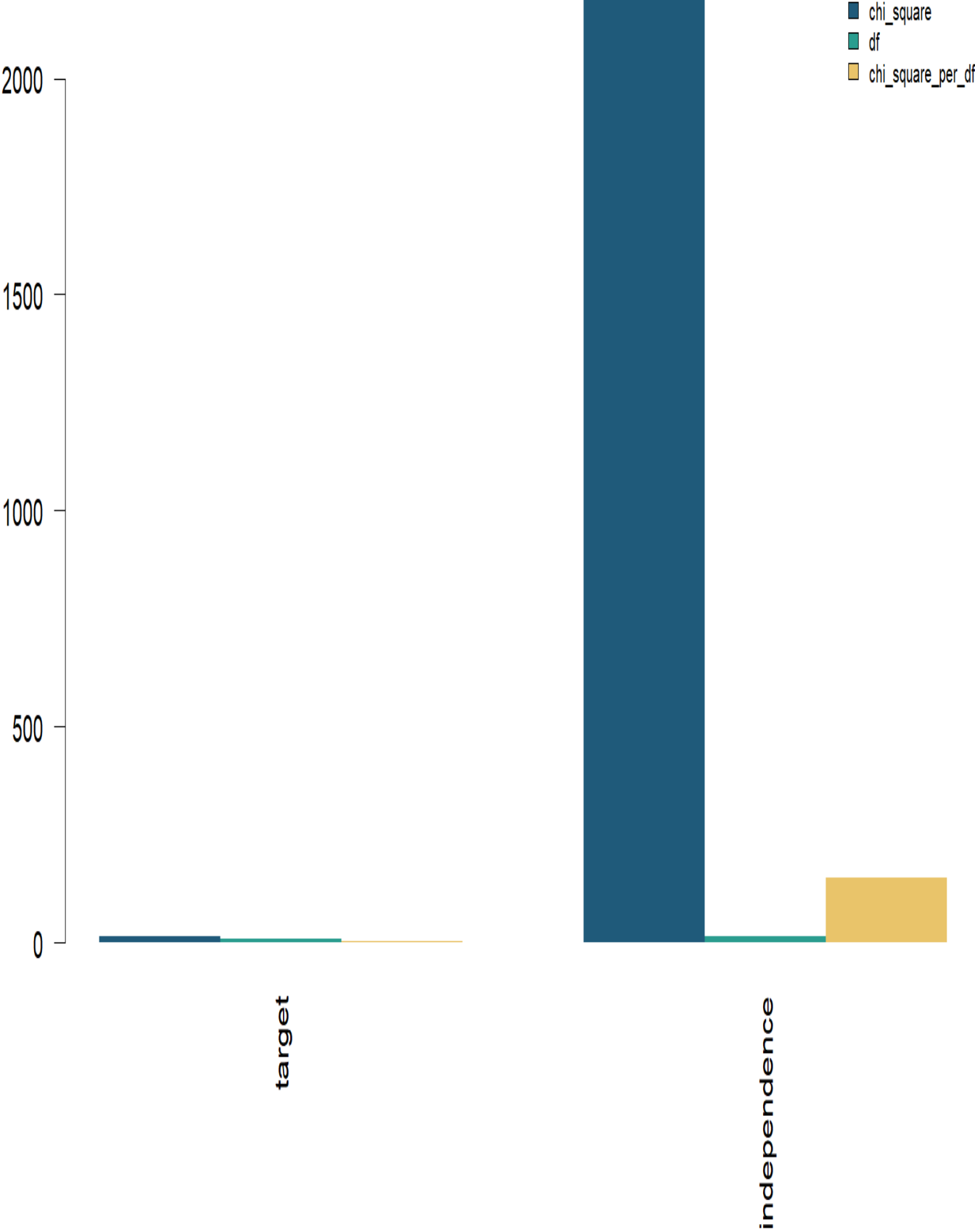
TLI compares chi-square per df.

TLI 0.995121636699086

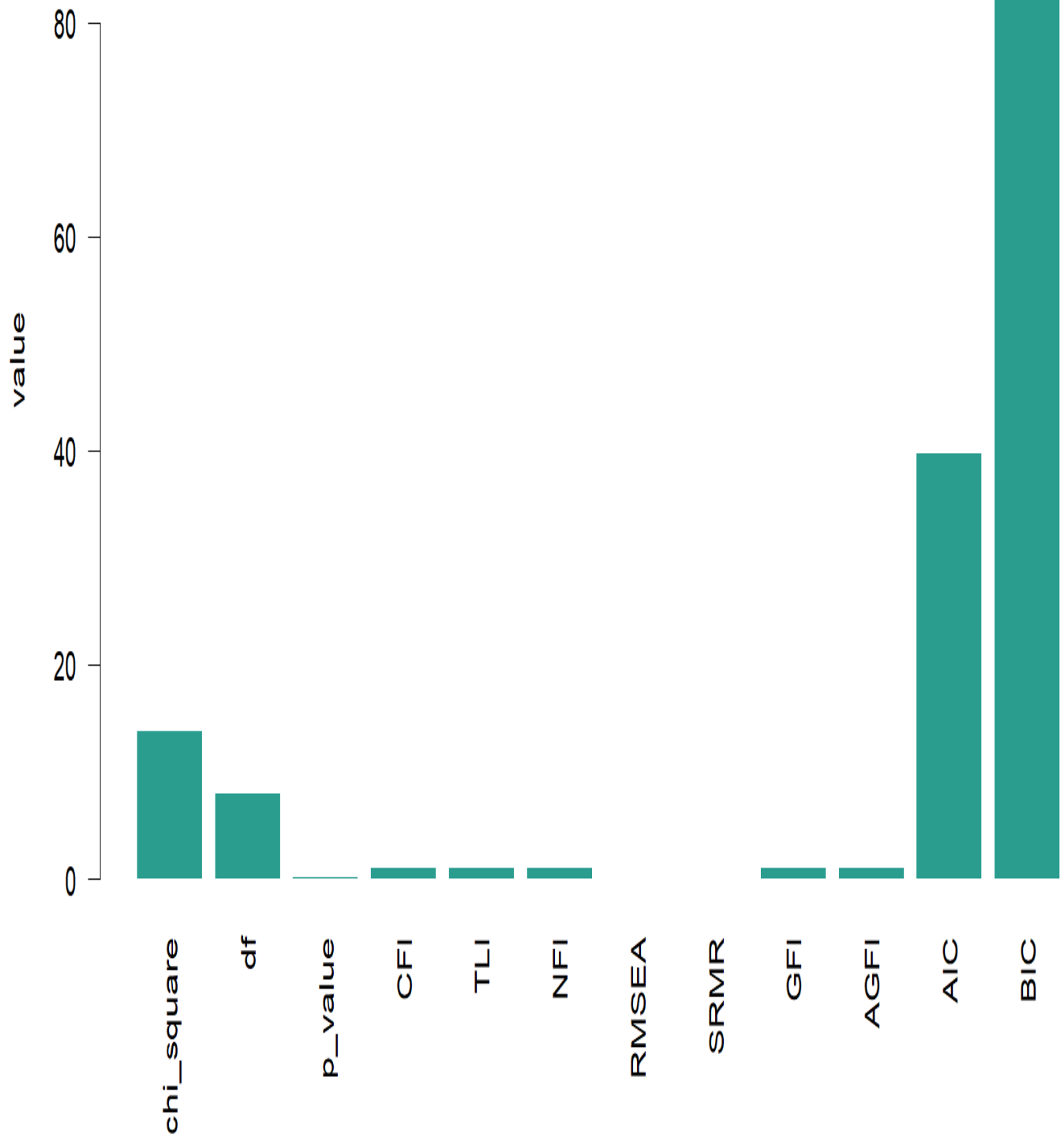
Tucker-Lewis Index - primary metrics



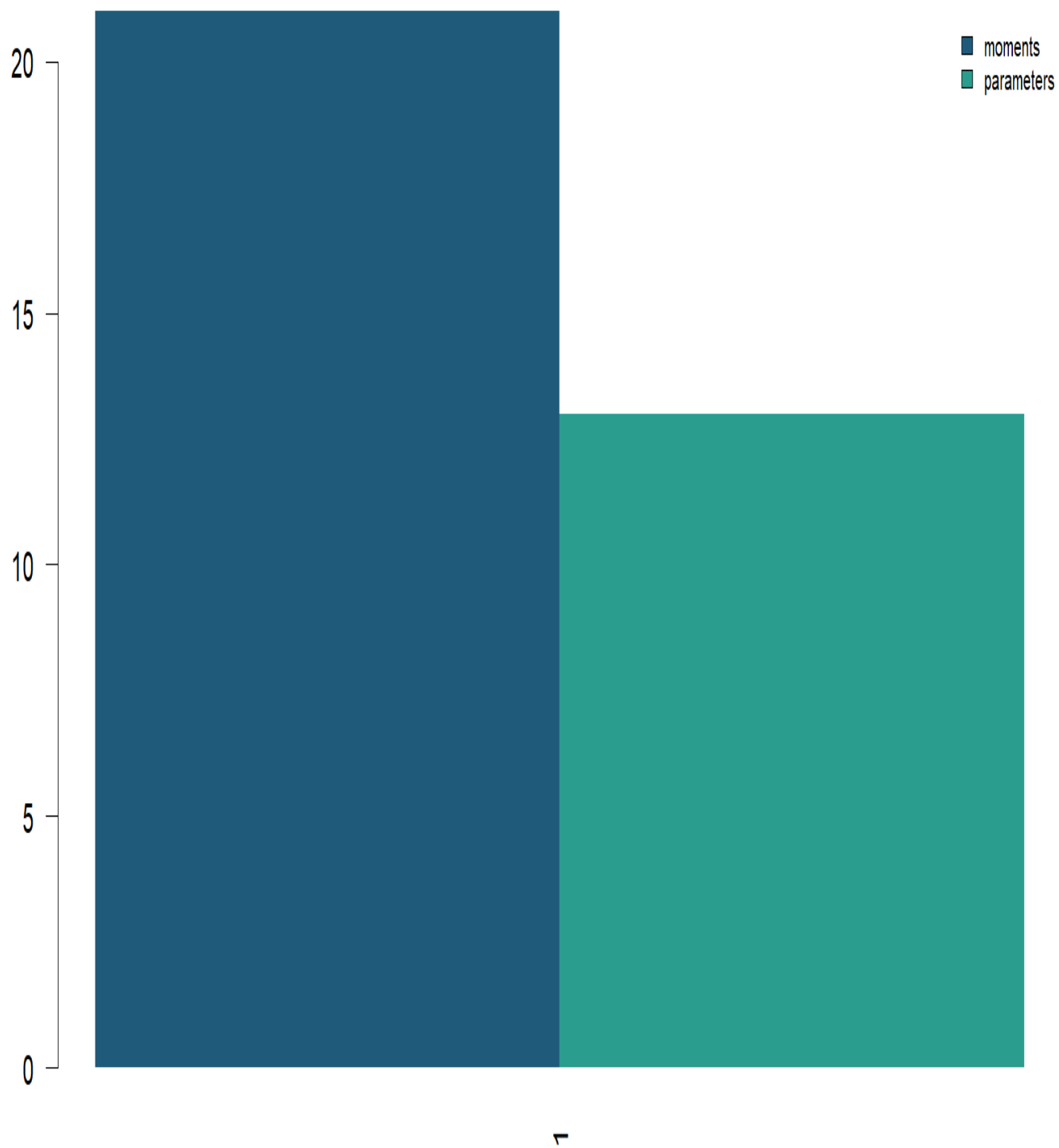
Tucker-Lewis Index - tli parsimony components



Tucker-Lewis Index - tli fit context



Tucker-Lewis Index - tli model dimensions



Tucker-Lewis Index verified results

