

# Corrected Item–Total Correlation

Test: Corrected Item–Total Correlation

Design: Each transformed scale item correlated with the sum of the other five items.

Variables: famrel, freetime, goout, Dalc\_R, Walc\_R, health

Null hypothesis: An item has zero linear association with the scale score excluding itself.

Formula:  $r_{i,\text{corrected}} = \text{cor}(X_i, \sum_{j \neq i} X_j)$ .

Source rows: 649

Calculated metrics:

mean\_corrected\_r: 0.0614525980384287

minimum\_corrected\_r: -0.104769938029125

maximum\_corrected\_r: 0.226597330457878

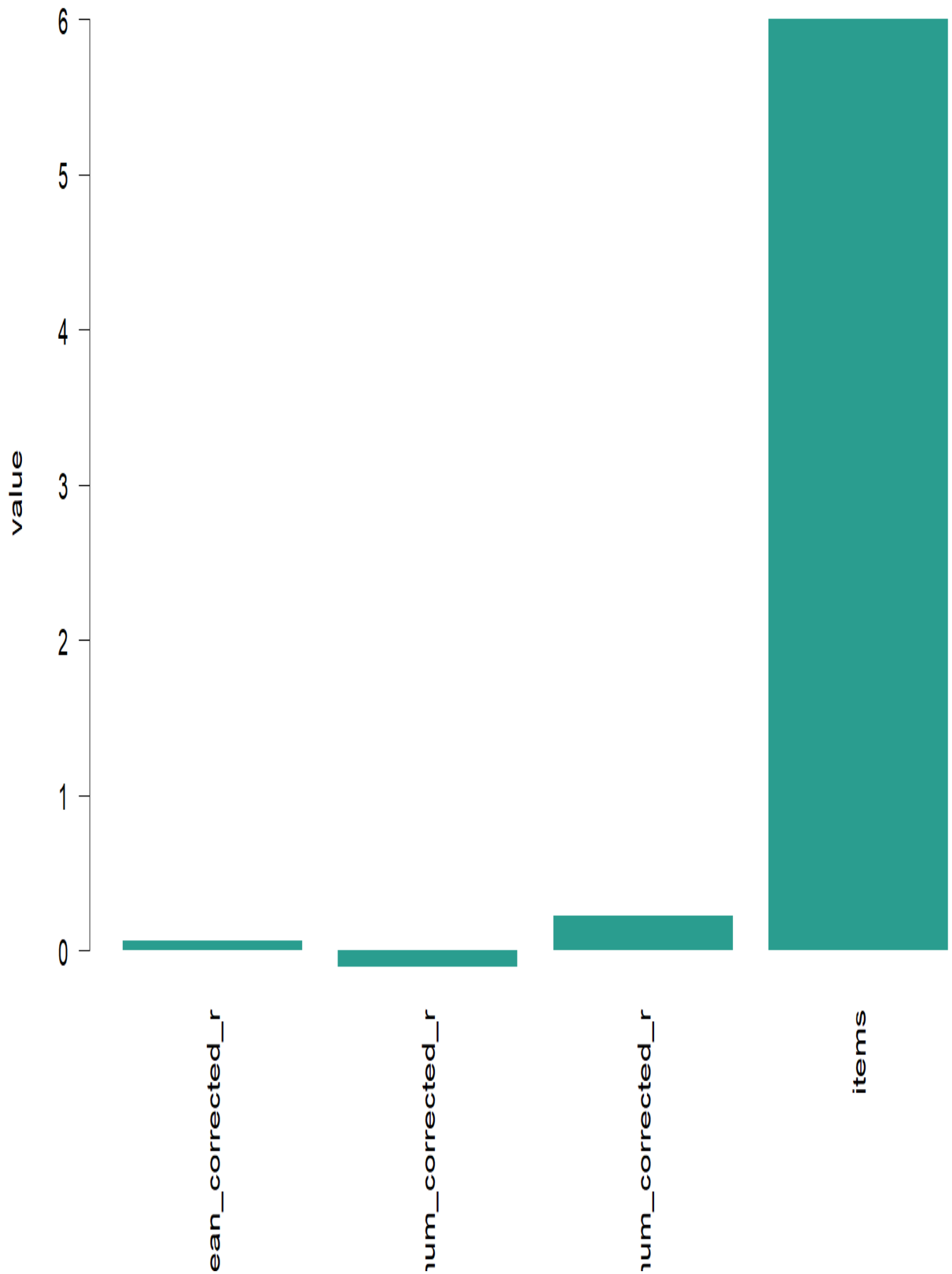
items: 6

Interpretation:

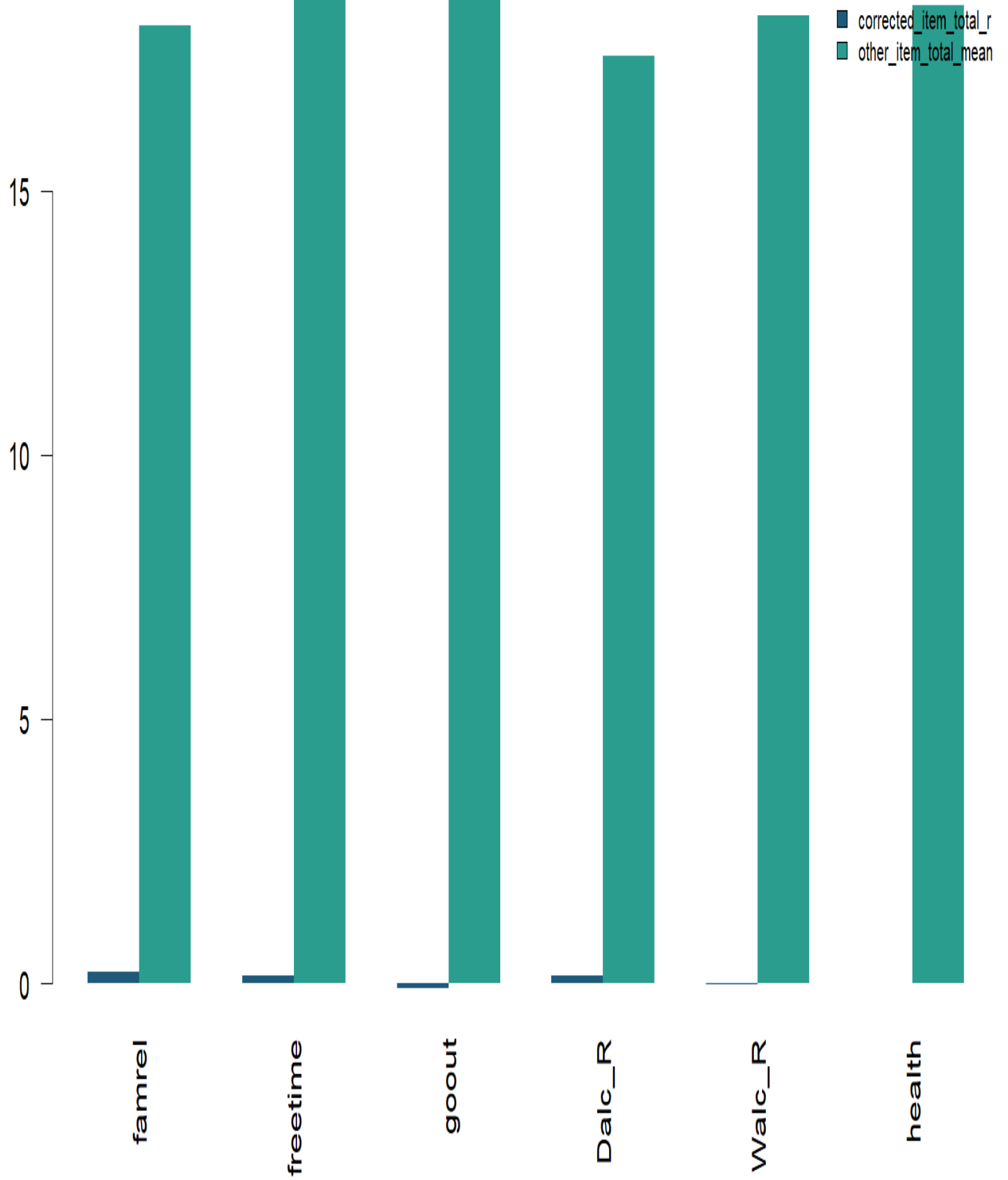
The target item is excluded from its comparison total.

Mean corrected correlation 0.0614525980384287

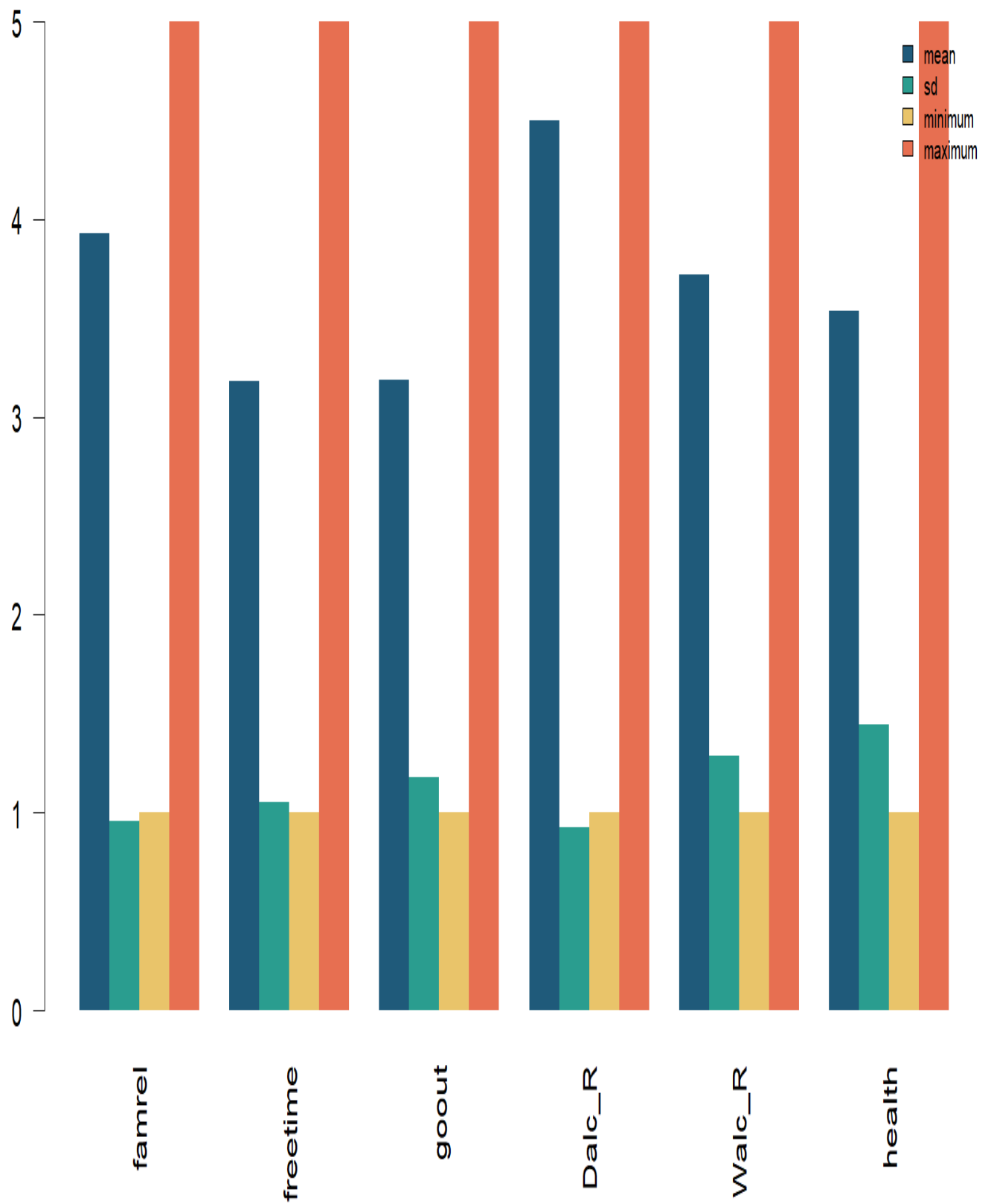
Corrected Item-Total Correlation - primary metrics



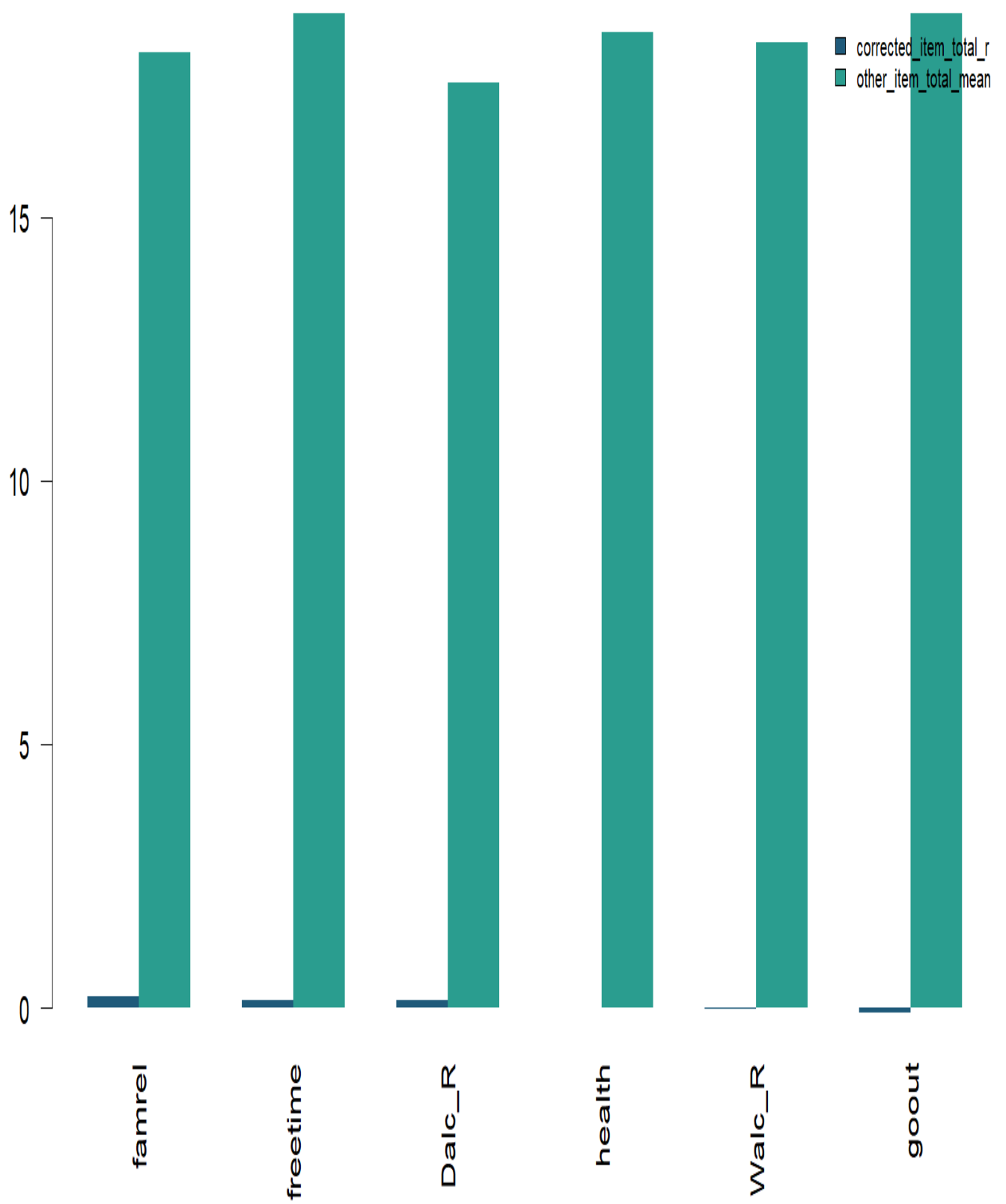
Corrected Item-Total Correlation - corrected item total results



Corrected Item-Total Correlation - transformed item summary



## Corrected Item-Total Correlation - correlation ranking



## Corrected Item-Total Correlation verified results

