

Cronbach's Raw Alpha

Test: Cronbach's Raw Alpha

Design: Raw-score internal consistency of six transformed self-regulation and wellbeing items.

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

Null hypothesis: The six-item composite has no common-score reliability beyond item-specific variance.

Formula: $\alpha = k/(k-1)[1 - \sum s_i^2/s_{\text{total}}^2]$.

Source rows: 649

Calculated metrics:

cronbach_alpha: 0.111762631246865

items: 6

n_cases: 649

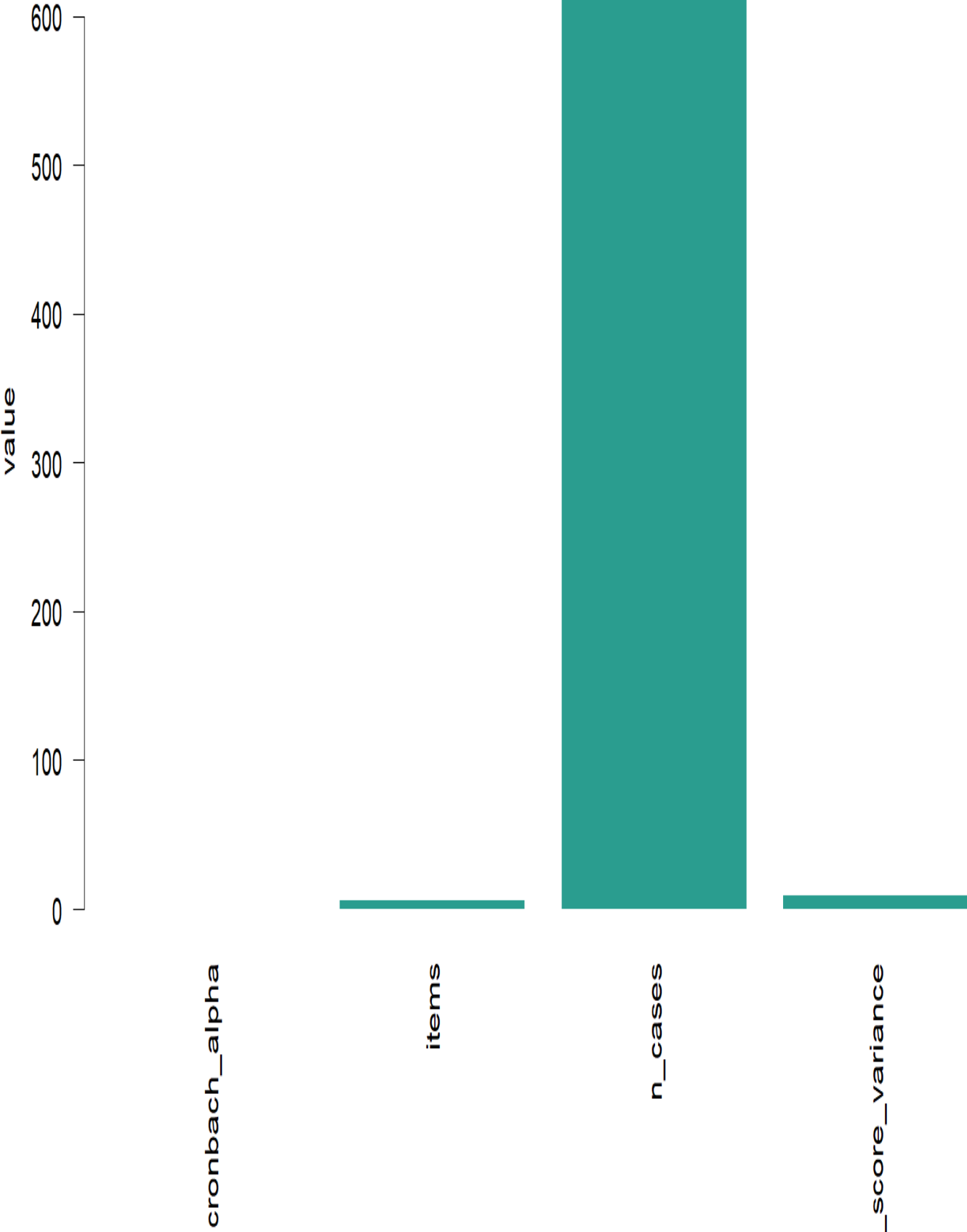
total_score_variance: 8.81855275923072

Interpretation:

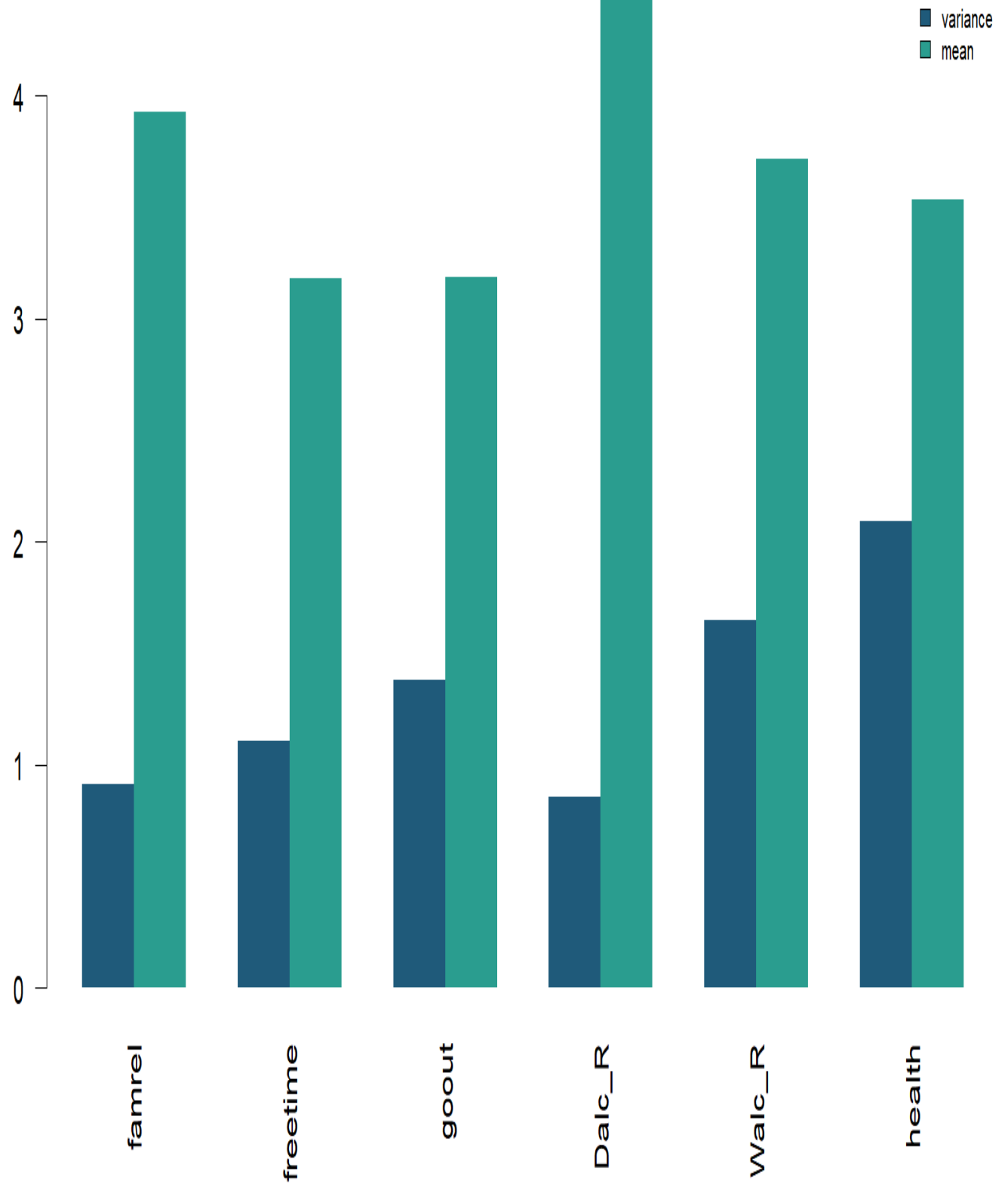
Alcohol-frequency items are reverse scored before raw alpha.

Cronbach alpha 0.111762631246865

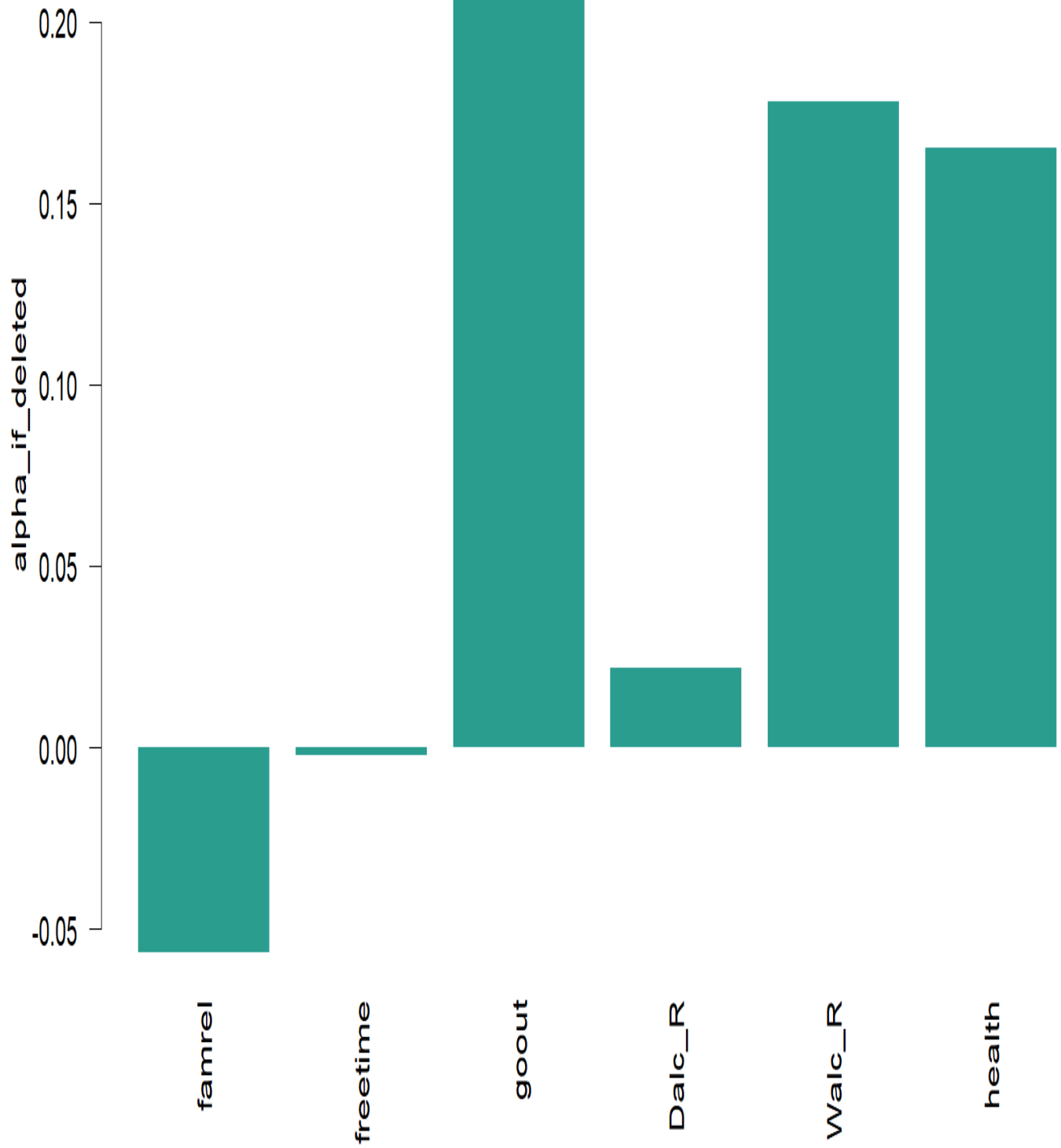
Cronbach's Raw Alpha - primary metrics



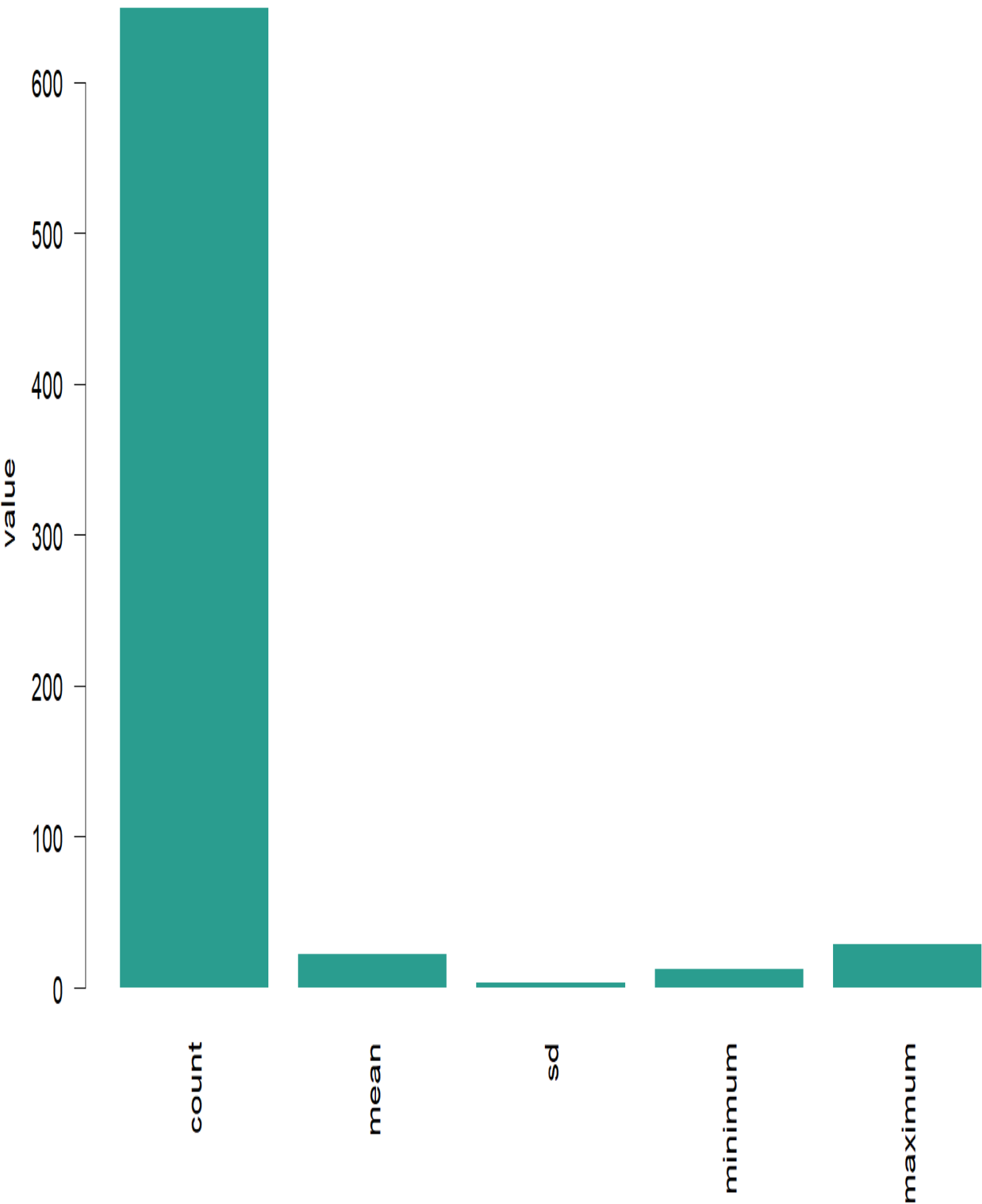
Cronbach's Raw Alpha - alpha variance components



Cronbach's Raw Alpha - alpha if deleted



Cronbach's Raw Alpha - total score summary



Cronbach's Raw Alpha verified results

