

Kuder–Richardson Formula 21

Test: Kuder–Richardson Formula 21

Design: Equal–difficulty approximation for the same six binary support/intention items.

Variables: schoolsup, famsup, paid, activities, higher, internet

Null hypothesis: The equal–difficulty binary composite has no internal–consistency reliability.

Formula: $KR-21 = k/(k-1)[1 - M(k-M)/(k s_{total}^2)]$.

Source rows: 649

Calculated metrics:

kr21: -0.425066891588798

items: 6

n_cases: 649

mean_test_score: 2.92449922958398

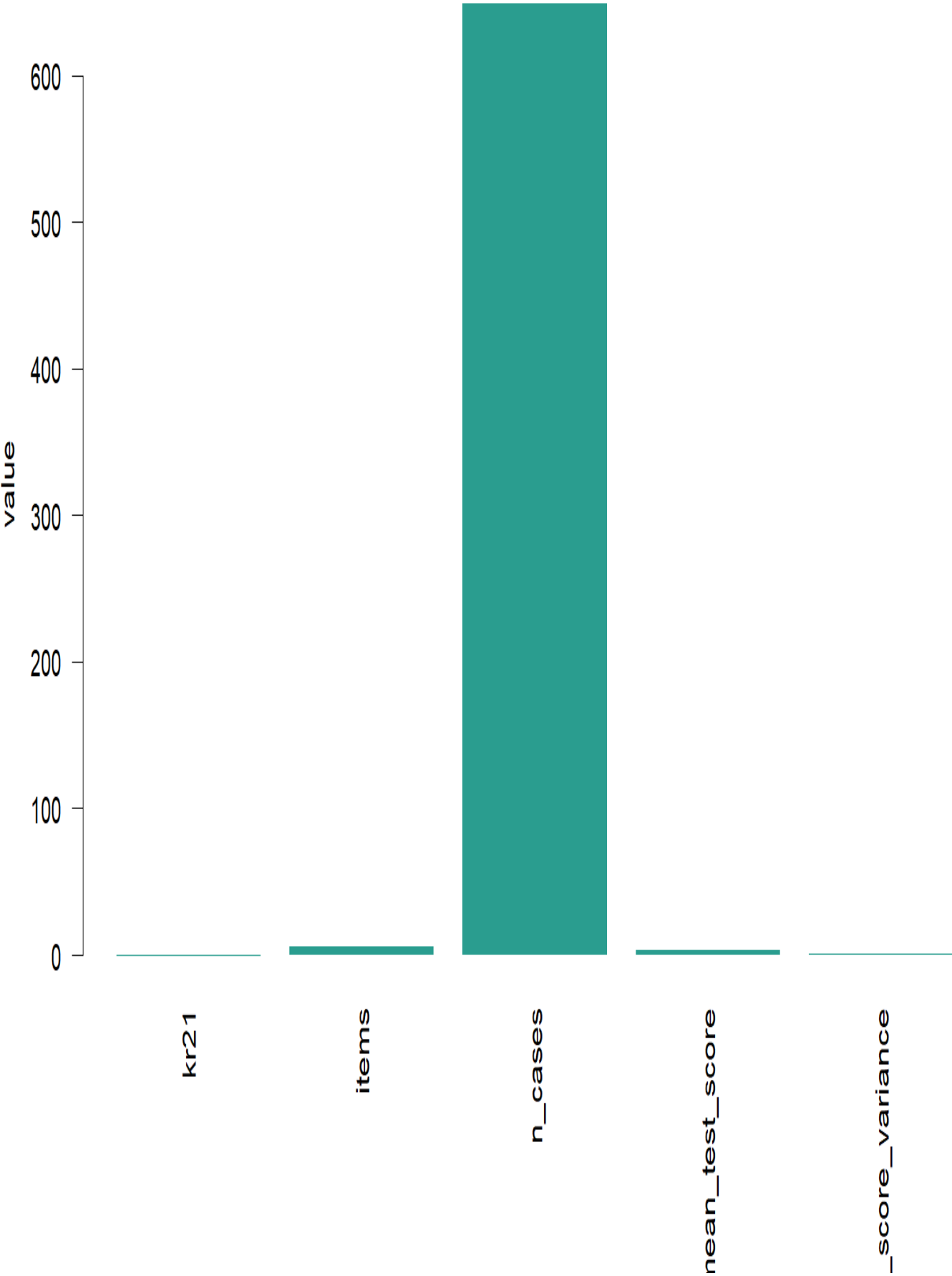
total_score_variance: 1.10694515779262

Interpretation:

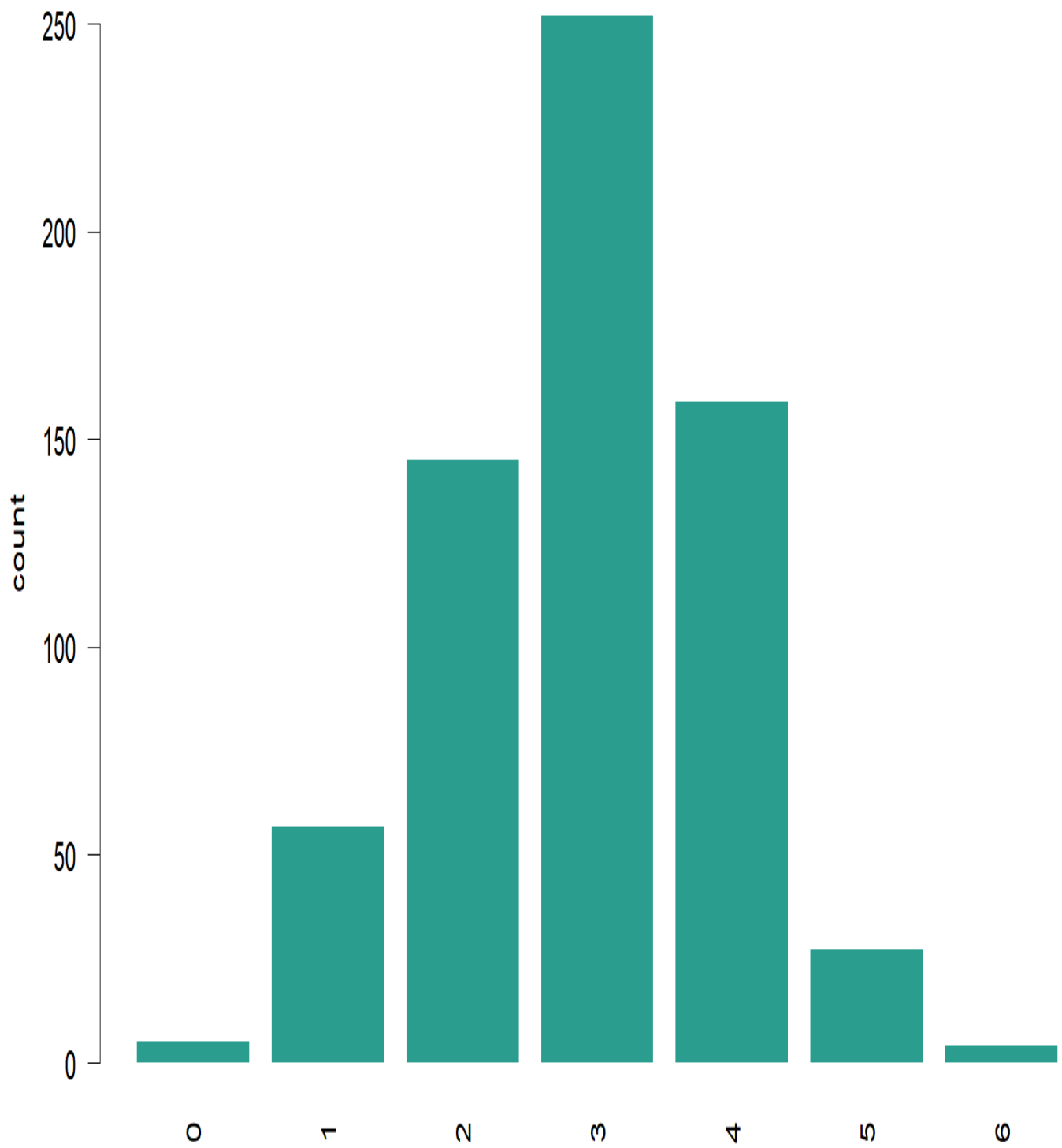
KR–21 uses its equal–difficulty approximation instead of item–specific p values.

KR–21 -0.425066891588798

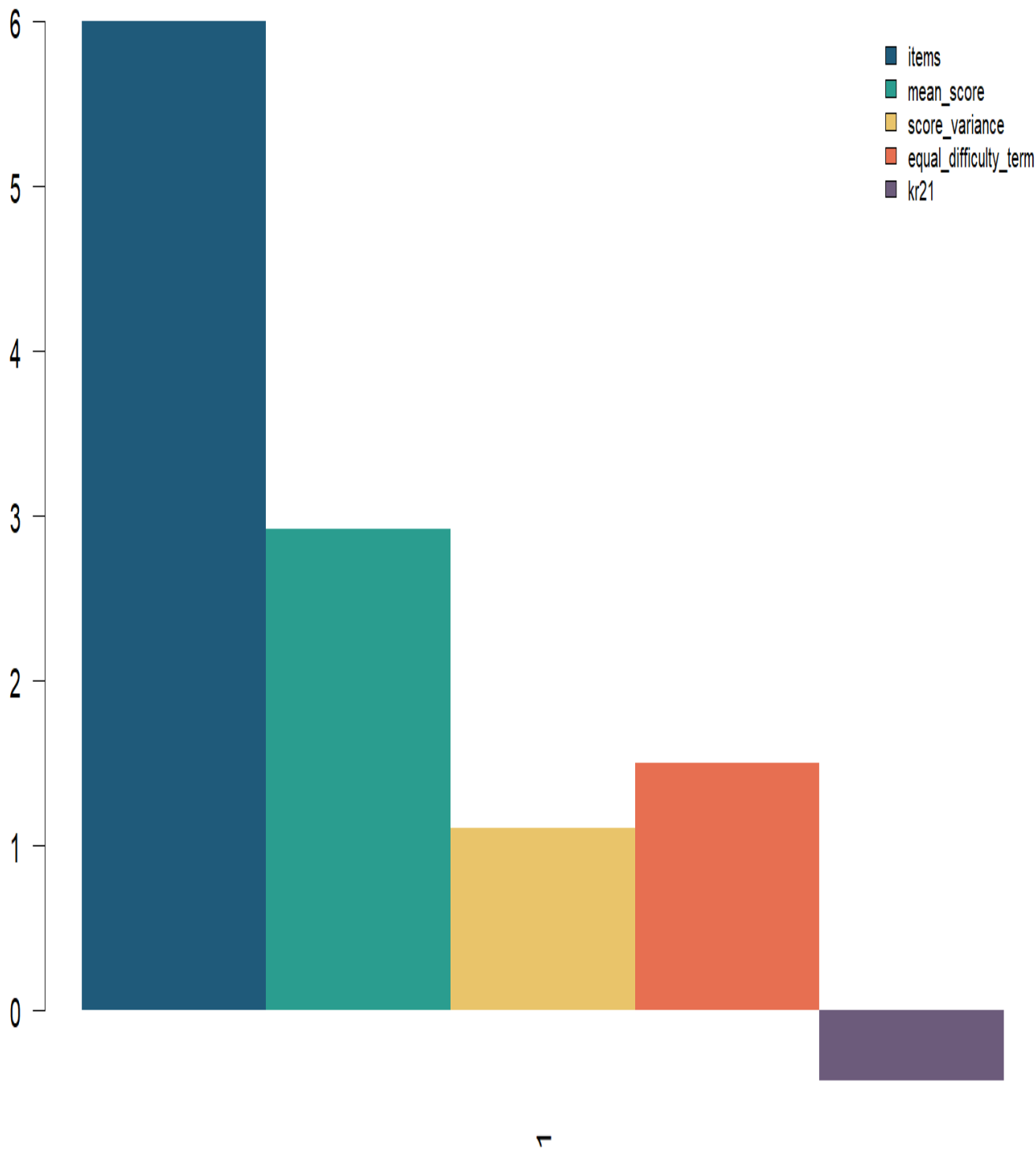
Kuder-Richardson Formula 21 - primary metrics



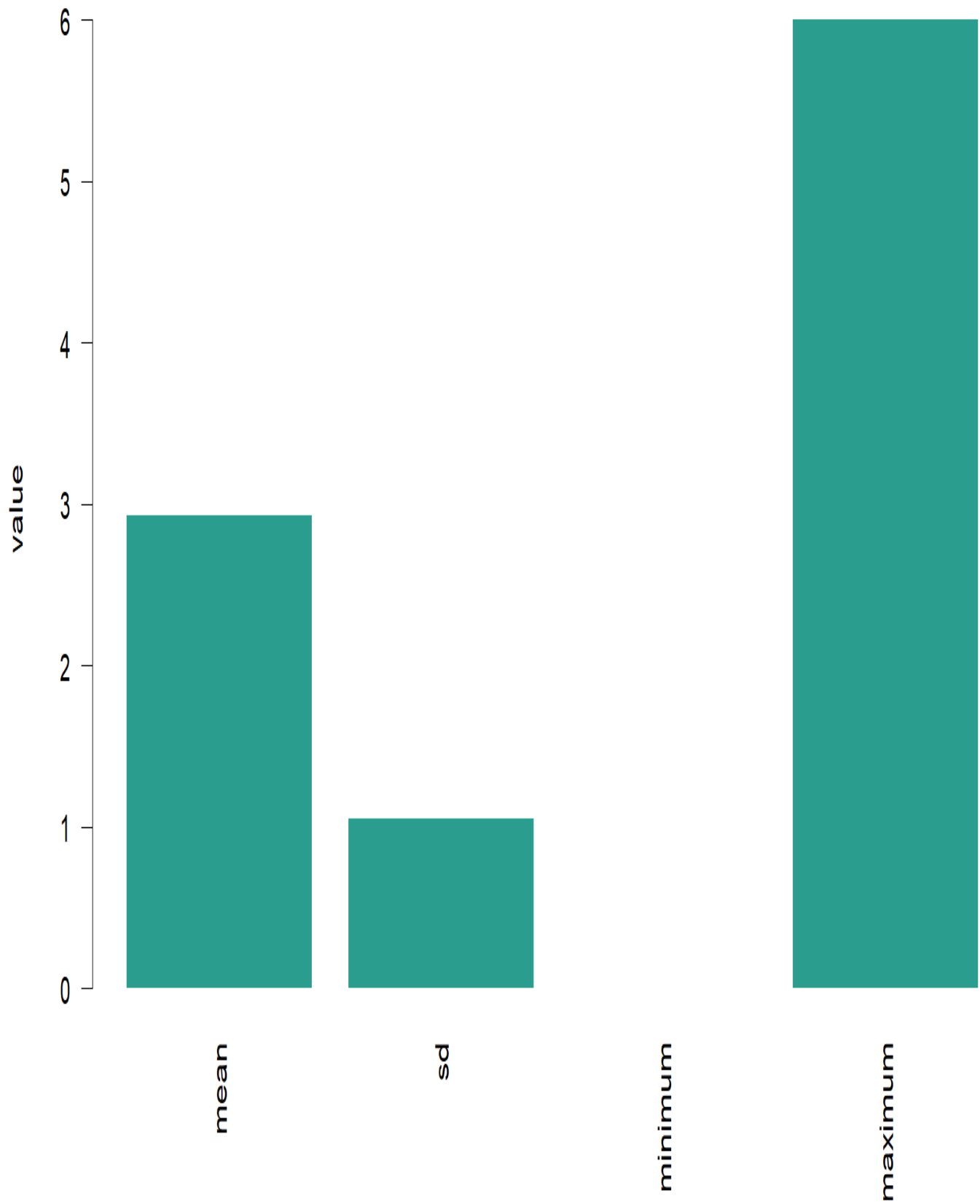
Kuder-Richardson Formula 21 - total score distribution



Kuder-Richardson Formula 21 - kr21 components



Kuder-Richardson Formula 21 - binary score summary



Kuder-Richardson Formula 21 verified results

