

Composite Score Creation

Method: Composite Score Creation

Method type: scoring_workflow

Design: Six-item wellbeing composite after directionally aligning two alcohol-frequency items.

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

Inference scope: No hypothesis test is required; the task constructs and validates a row-level composite score.

Formula: $Dalc_R = 6 - Dalc$; $Walc_R = 6 - Walc$; $composite_i = \text{mean}(\text{valid aligned items}_i)$.

Source rows: 649

Calculated metrics:

composite_mean: 3.6748844375963

composite_sd: 0.494934135888322

composite_minimum: 2

composite_maximum: 4.83333333333333

cronbach_alpha: 0.111762631246865

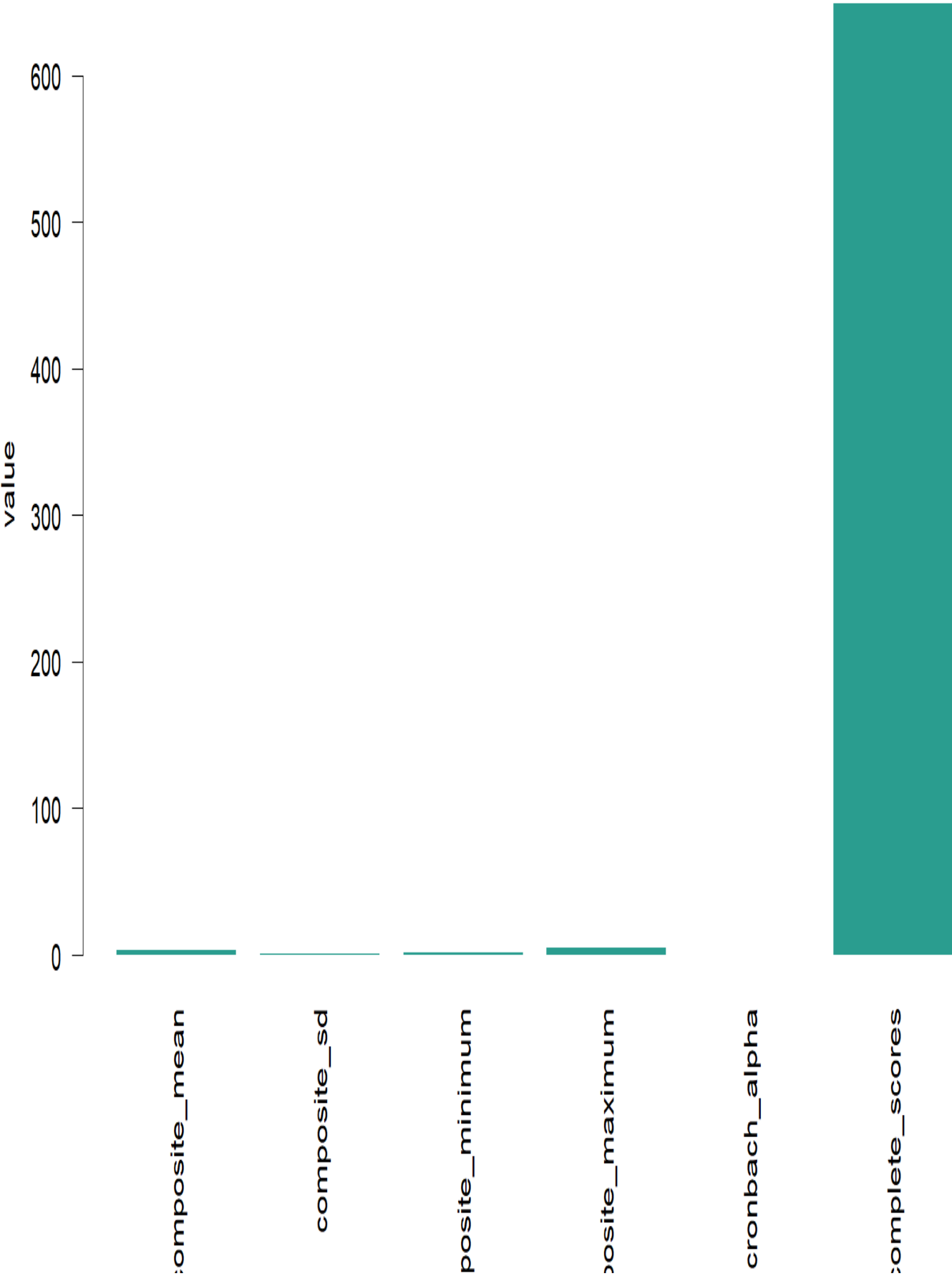
complete_scores: 649

Interpretation:

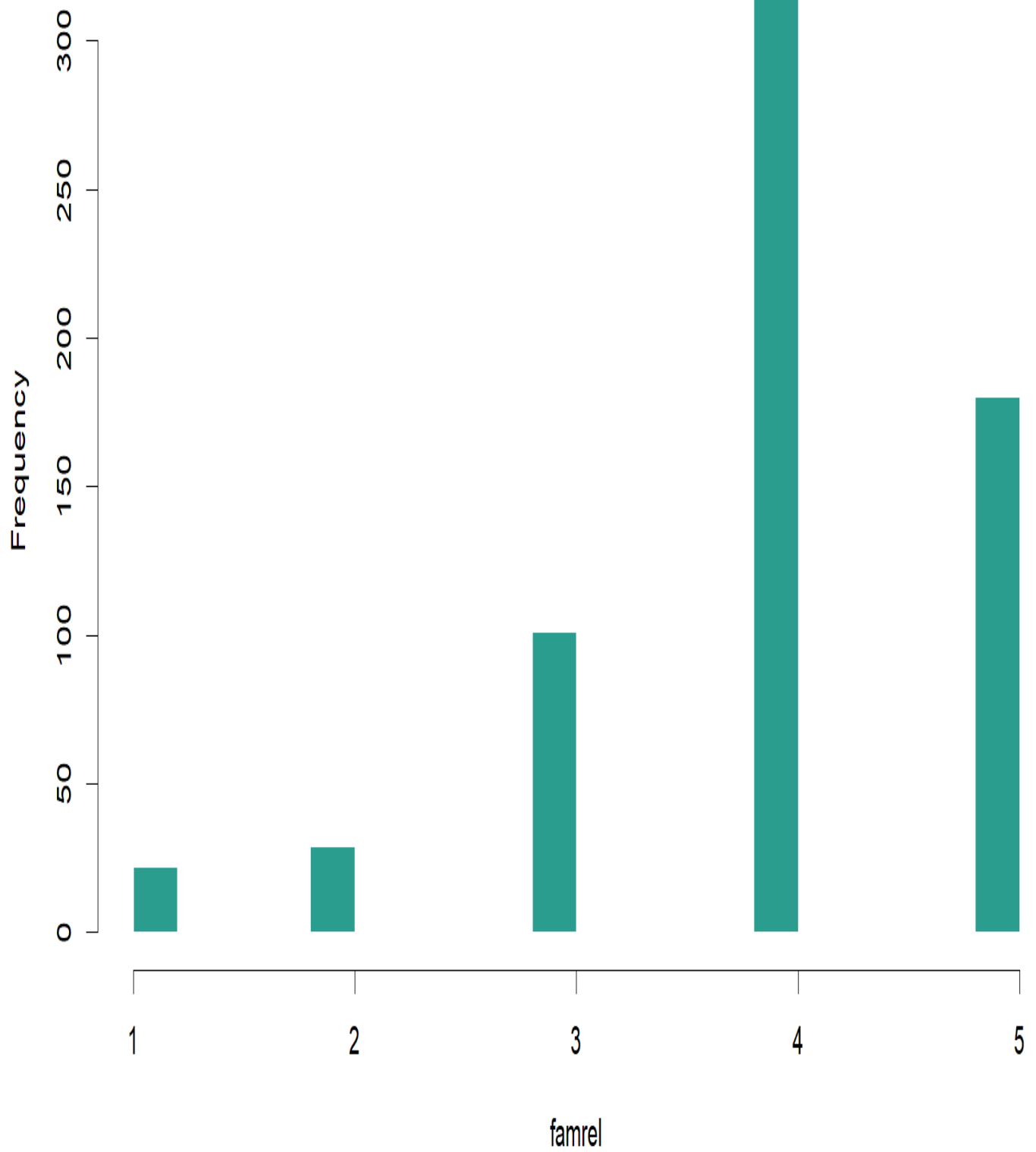
Dalc and Walc are reversed before averaging.

Composite mean 3.6748844375963

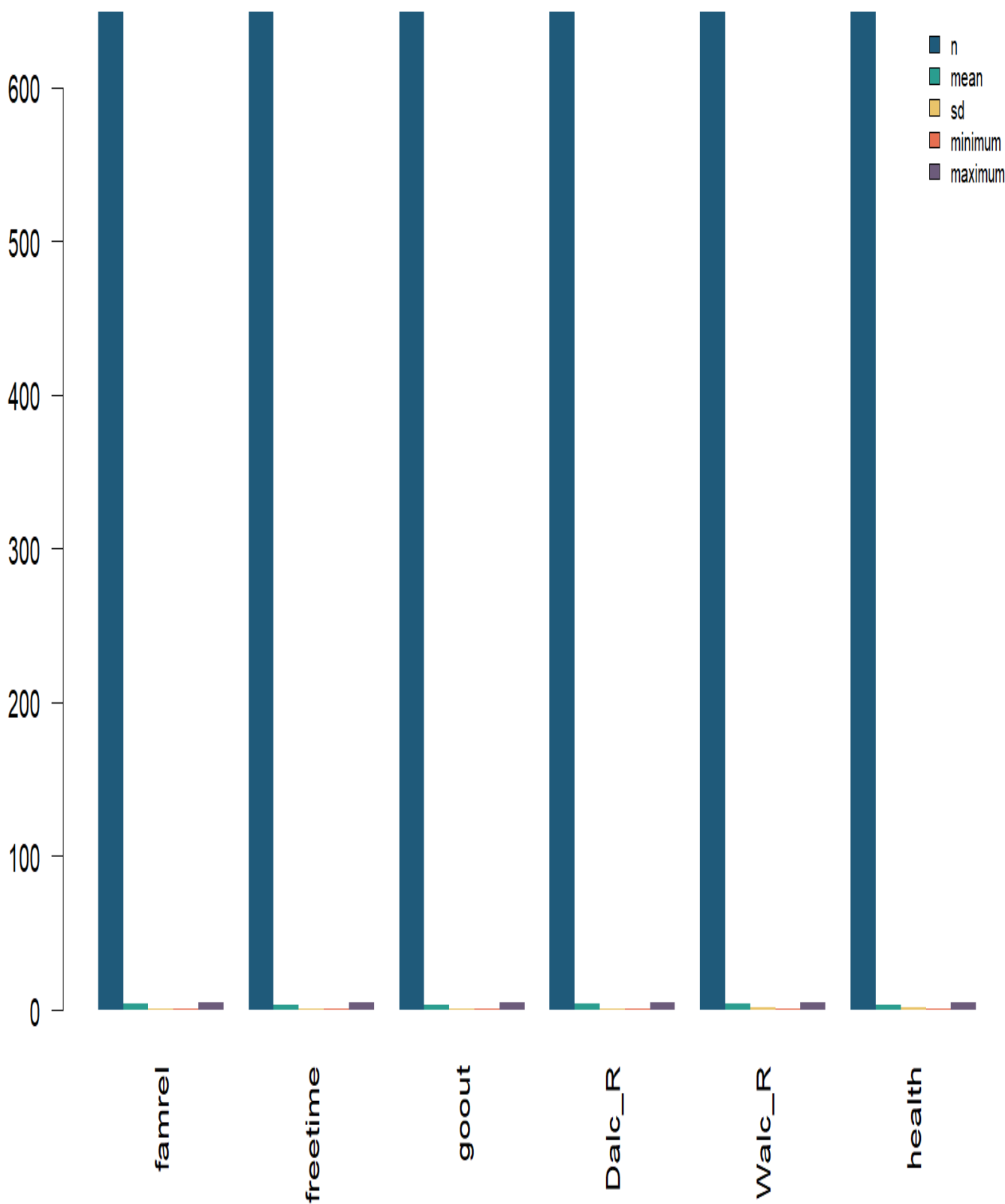
Composite Score Creation - primary metrics



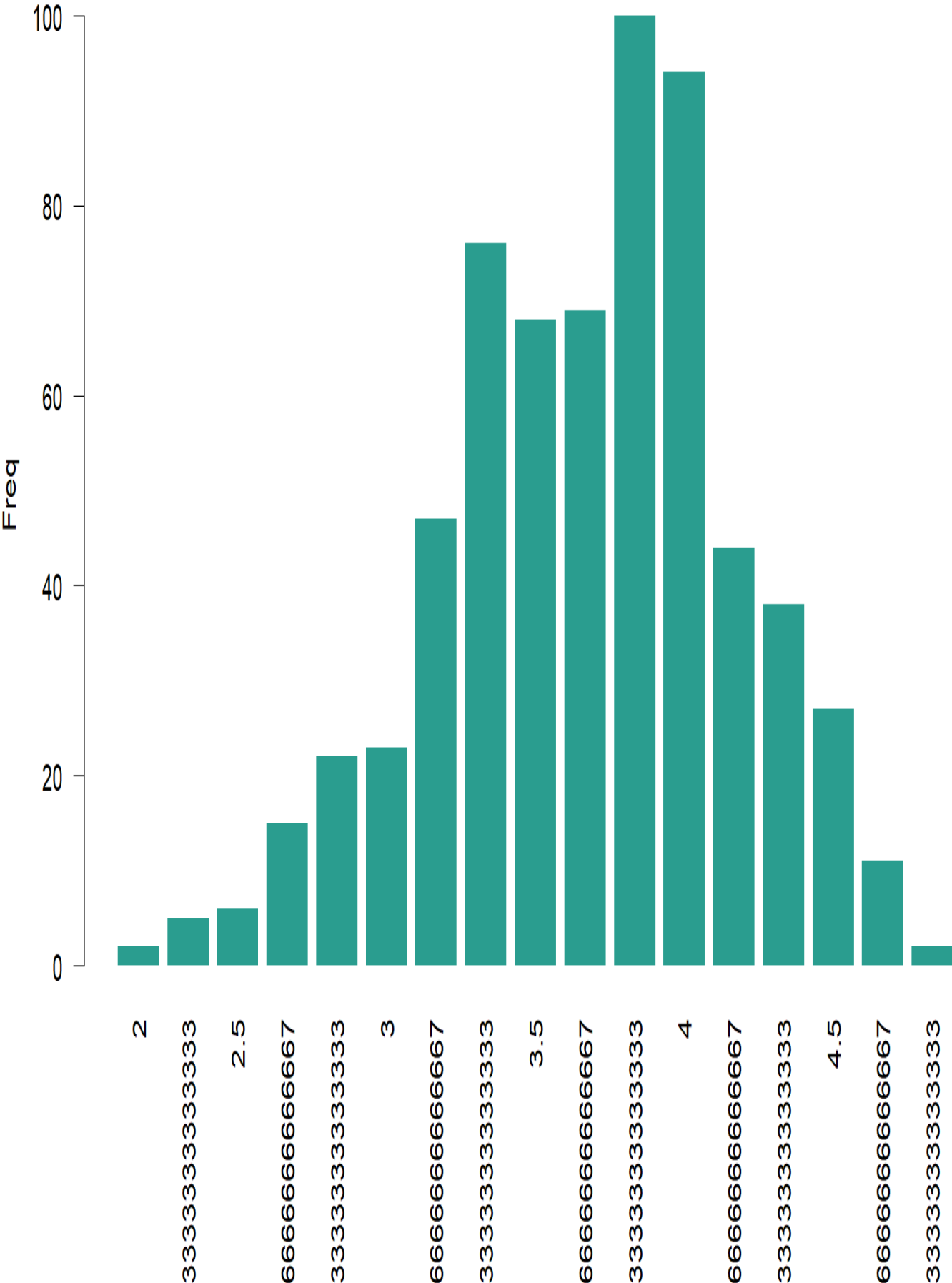
Composite Score Creation - score components



Composite Score Creation - component summary



Composite Score Creation - score distribution



Composite Score Creation verified results

