

Reverse Coding Likert Items

Method: Reverse Coding Likert Items

Method type: scoring_workflow

Design: Reverse coding of two 1-to-5 items with range, sum-identity, and distribution checks.

Variables: Dalc, Walc

Inference scope: No hypothesis test is required; every reverse-coded value must satisfy $\text{original} + \text{reversed} = 6$ and remain in 1..5.

Formula: $\text{reversed} = (\text{minimum} + \text{maximum}) - \text{original} = 6 - \text{original}$.

Source rows: 649

Calculated metrics:

items_reversed: 2

rows_processed: 649

identity_check_failures: 0

range_check_failures: 0

dalc_original_mean: 1.50231124807396

dalc_reversed_mean: 4.49768875192604

walc_original_mean: 2.28043143297381

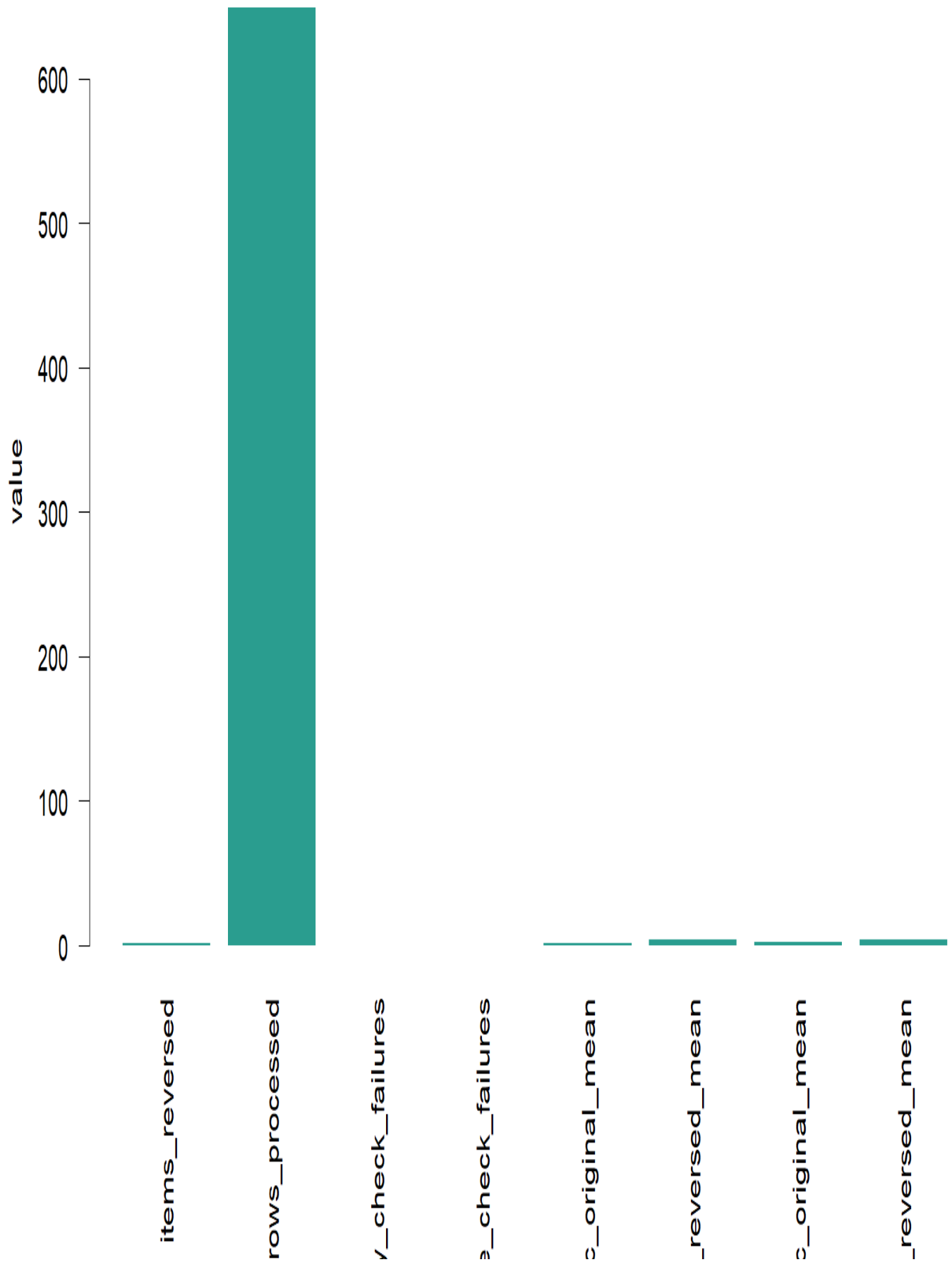
walc_reversed_mean: 3.71956856702619

Interpretation:

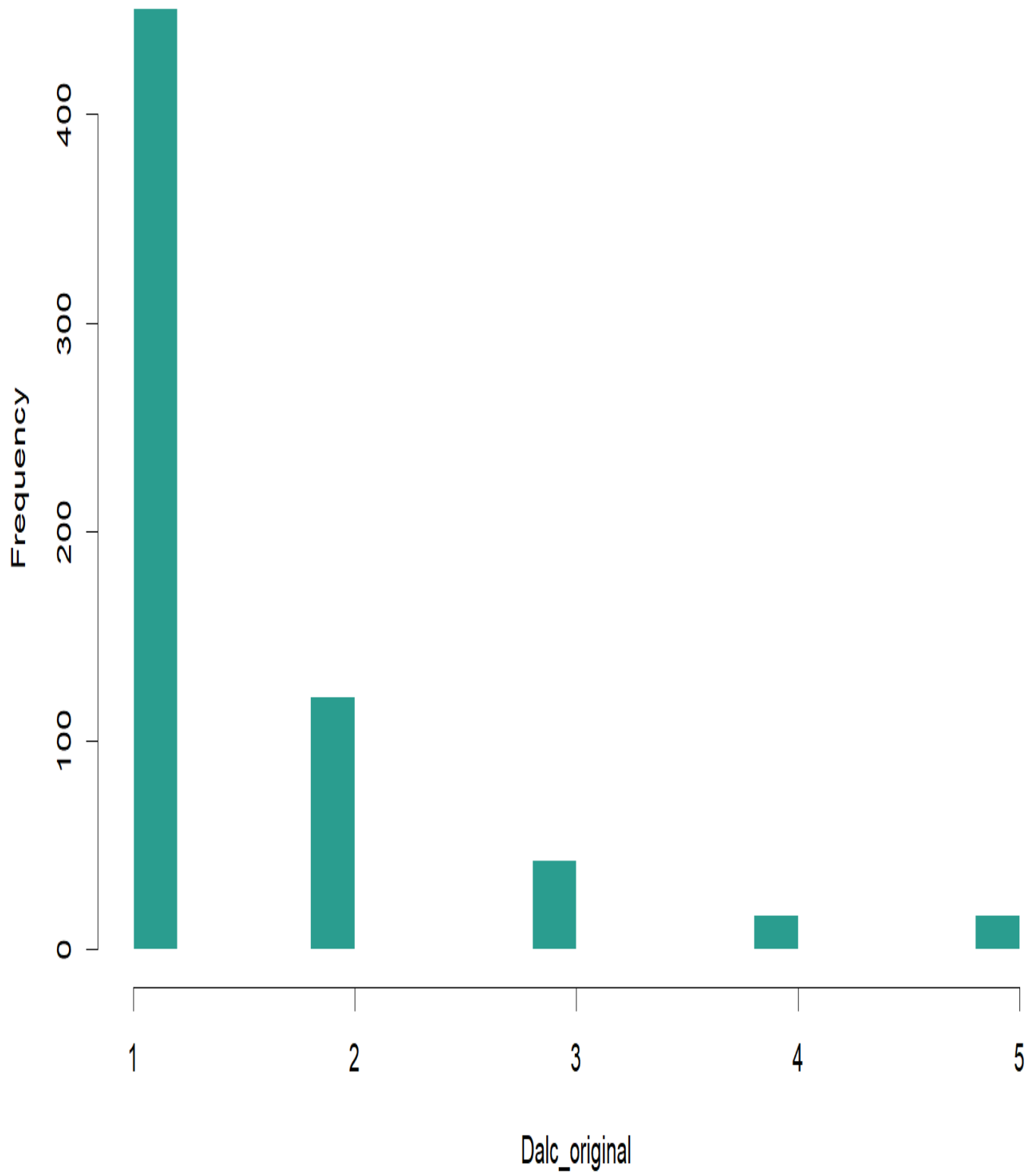
Every reversed value must remain in 1..5 and sum to six.

Identity failures 0 range failures 0

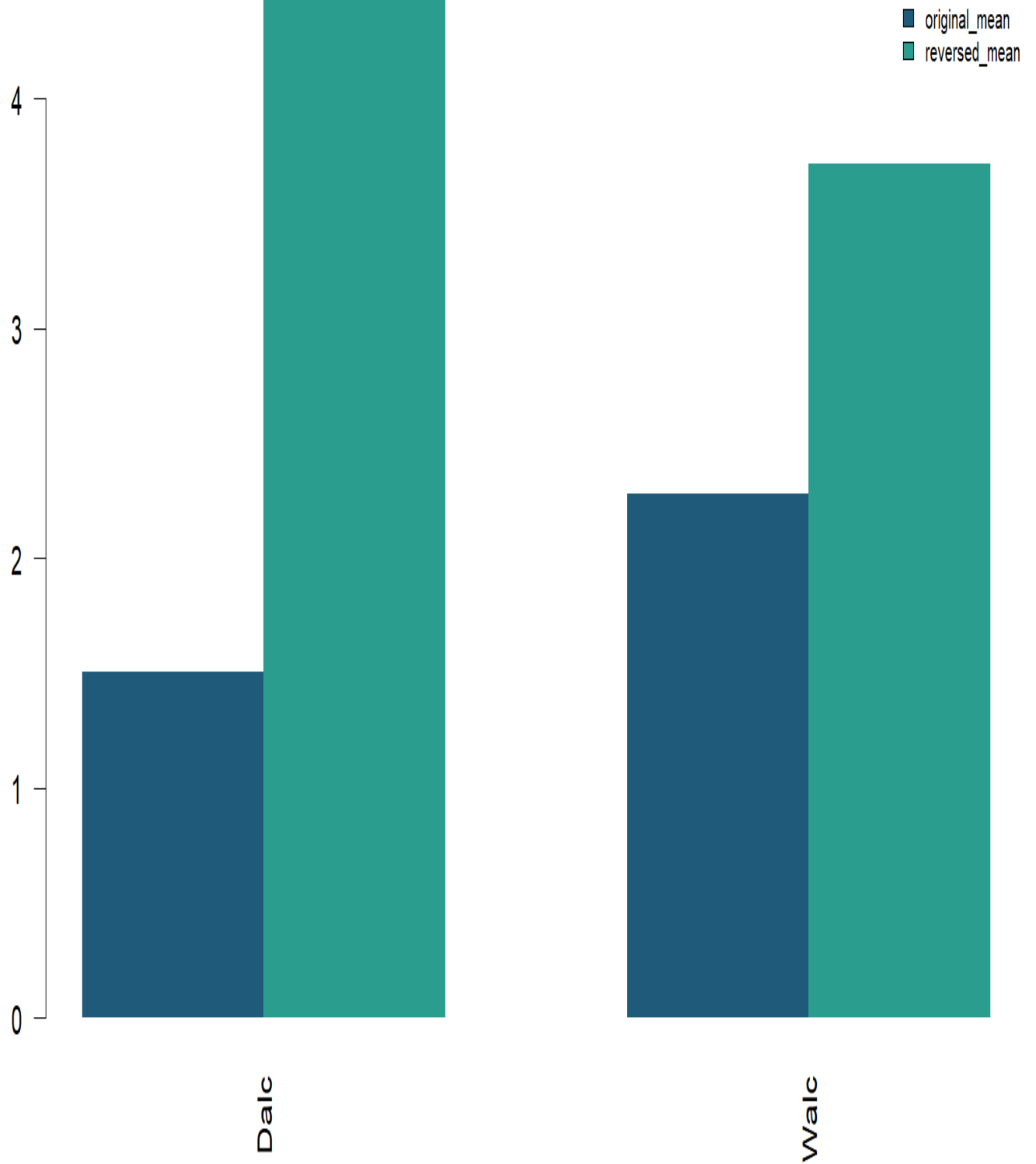
Reverse Coding Likert Items - primary metrics



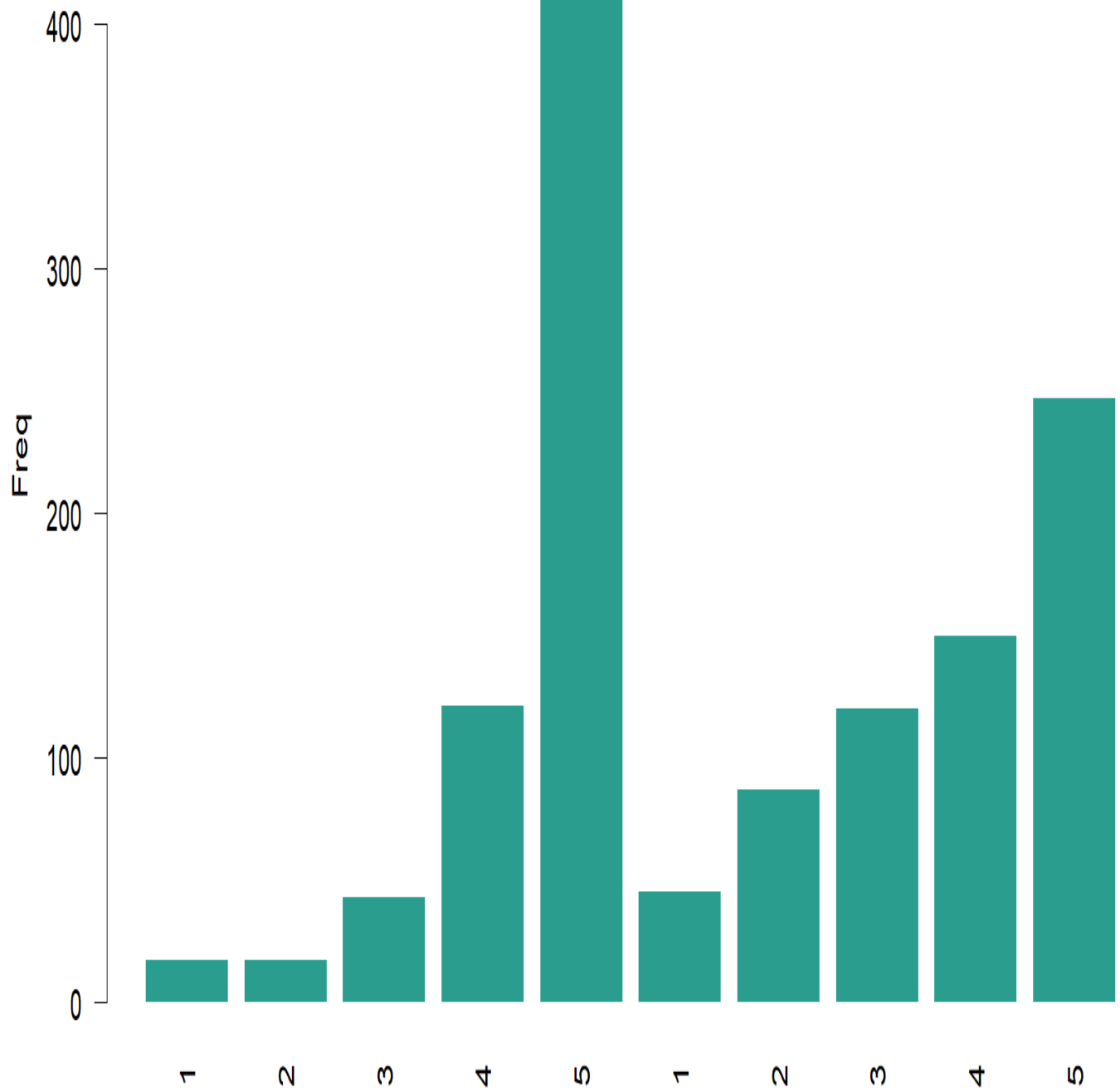
Reverse Coding Likert Items - reverse coded preview



Reverse Coding Likert Items - before after summary



Reverse Coding Likert Items - reversed frequencies



Reverse Coding Likert Items verified results

