

Descriptive Statistics for Likert Data

Method: Descriptive Statistics for Likert Data

Method type: descriptive_analysis

Design: Ordinal summaries and complete response distributions for six five-point items.

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

Inference scope: No hypothesis test is required; medians, modes, quartiles, frequencies, means, and standard deviations are reported descriptively.

Formula: Median= $Q_{0.50}$; IQR= $Q_{0.75}-Q_{0.25}$; percent_j= $100*n_j/n$.

Source rows: 649

Calculated metrics:

items: 6

respondents: 649

overall_item_mean: 2.93579866461222

minimum_item_median: 1

maximum_item_median: 4

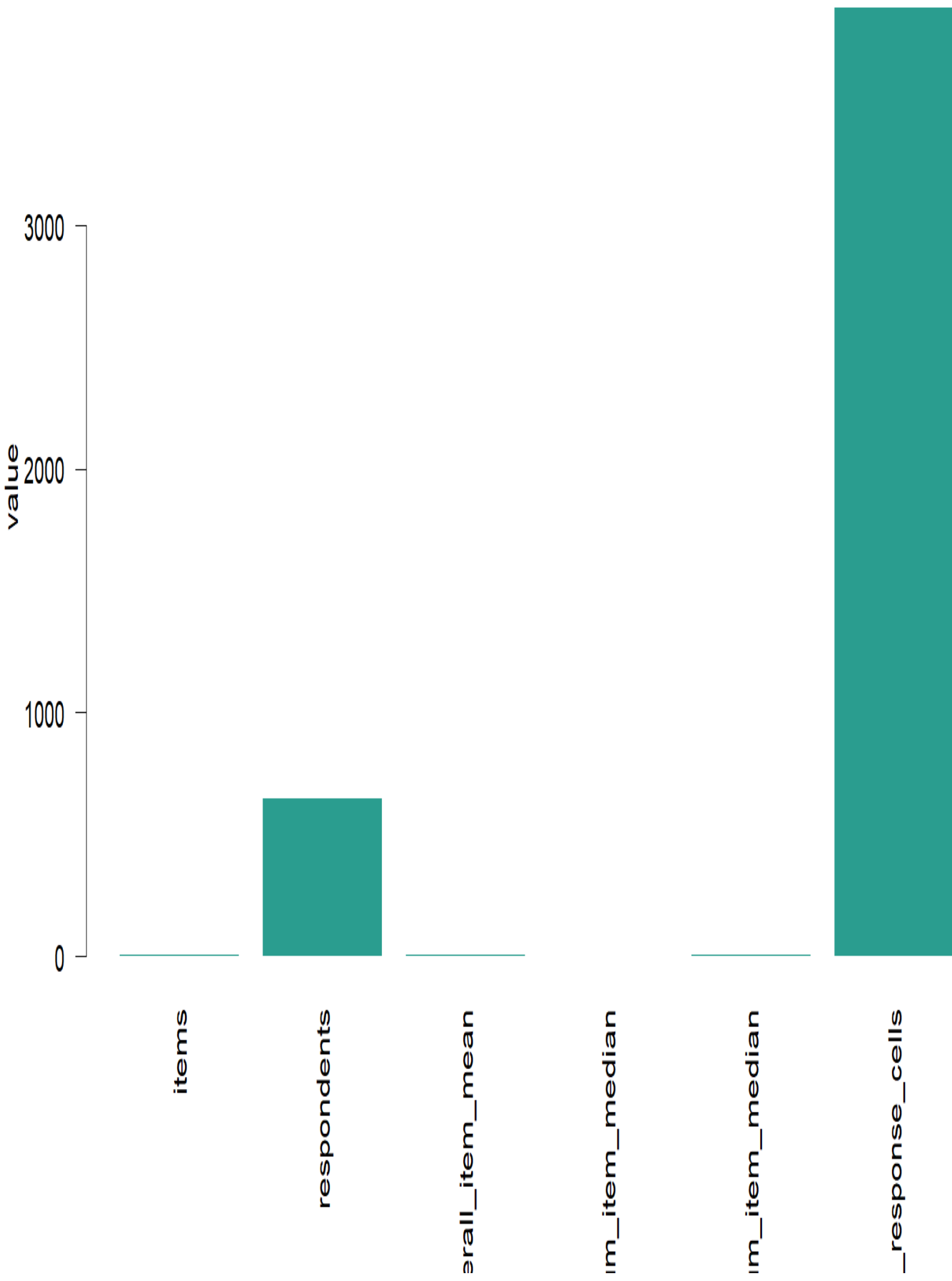
total_response_cells: 3894

Interpretation:

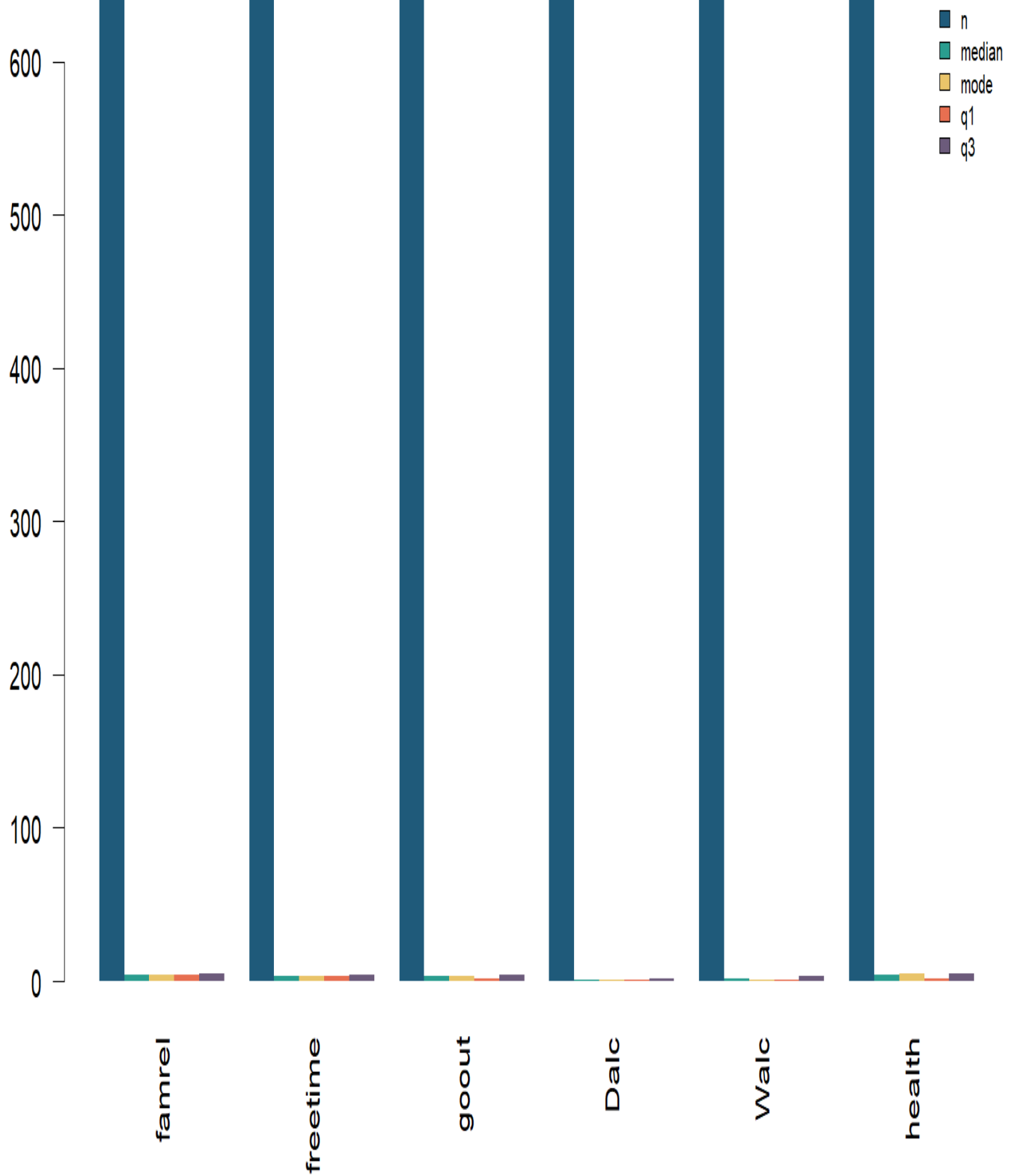
Medians, modes, quartiles, and frequencies are primary.

Means and SDs are supplementary.

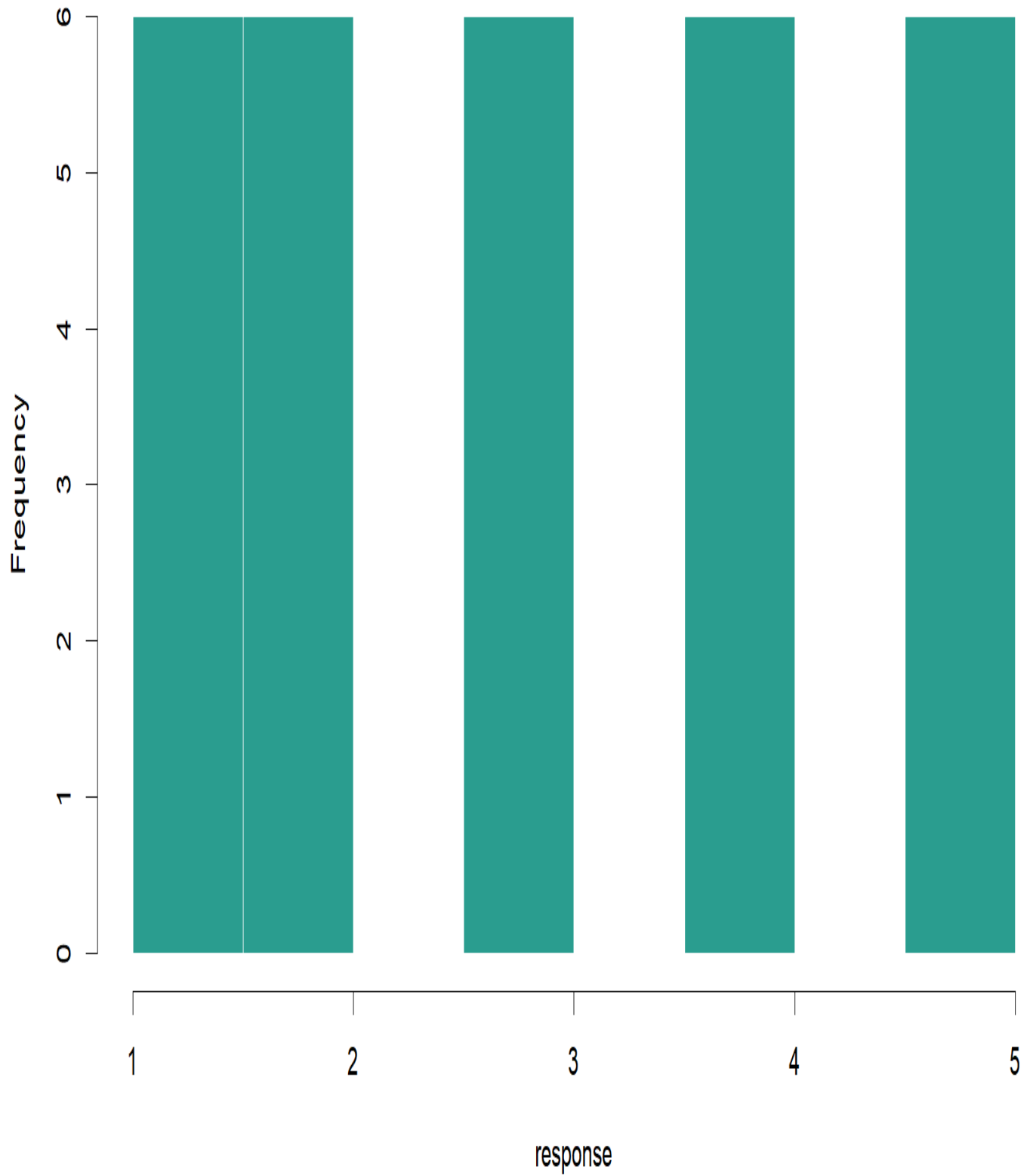
Descriptive Statistics for Likert Data - primary metrics



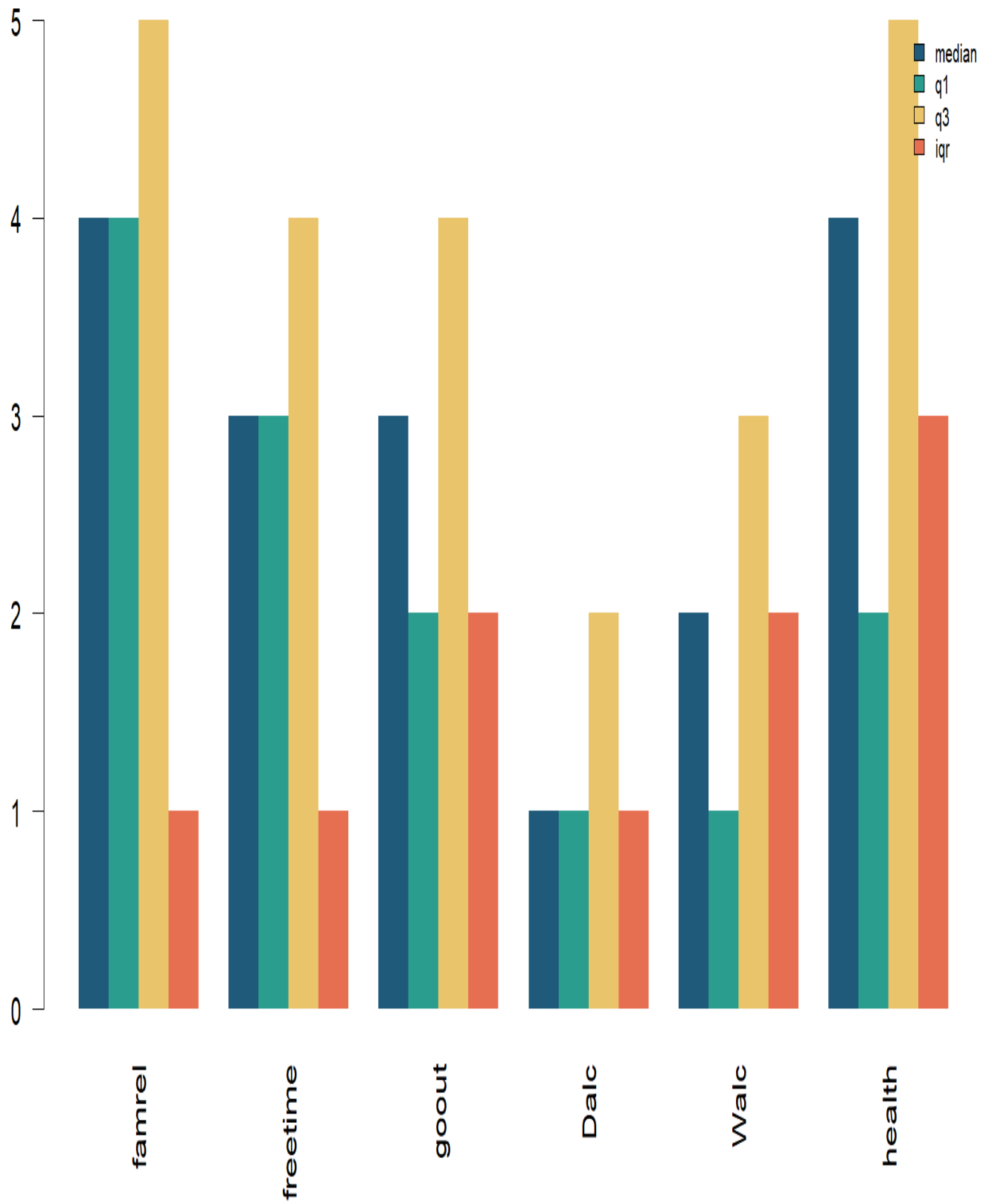
Descriptive Statistics for Likert Data - ordinal descriptive summary



Descriptive Statistics for Likert Data - item response frequencies



Descriptive Statistics for Likert Data - median and iqr



Descriptive Statistics for Likert Data verified results

