

Limits of Agreement with Confidence Intervals

Test: Limits of Agreement with Confidence Intervals

Design: Numerical 95% agreement limits for G3 minus G2, including uncertainty in bias and each limit.

Variables: G2, G3

Null hypothesis: The G2–G3 bias is zero and the population agreement interval is acceptably narrow.

Formula: $LOA = \text{bias} \pm 1.96 \text{ SD}(d)$; $CI_bias = \text{bias} \pm t \text{ SE}_{bias}$; $CI_LOA = LOA \pm t \text{ SE}_{LOA}$.

Source rows: 649

Calculated metrics:

mean_bias: 0.335901386748844

lower_limit: -2.16945838286248

upper_limit: 2.84126115636017

bias_ci_low: 0.237375194647225

bias_ci_high: 0.434427578850463

limit_standard_error: 0.0857951724391969

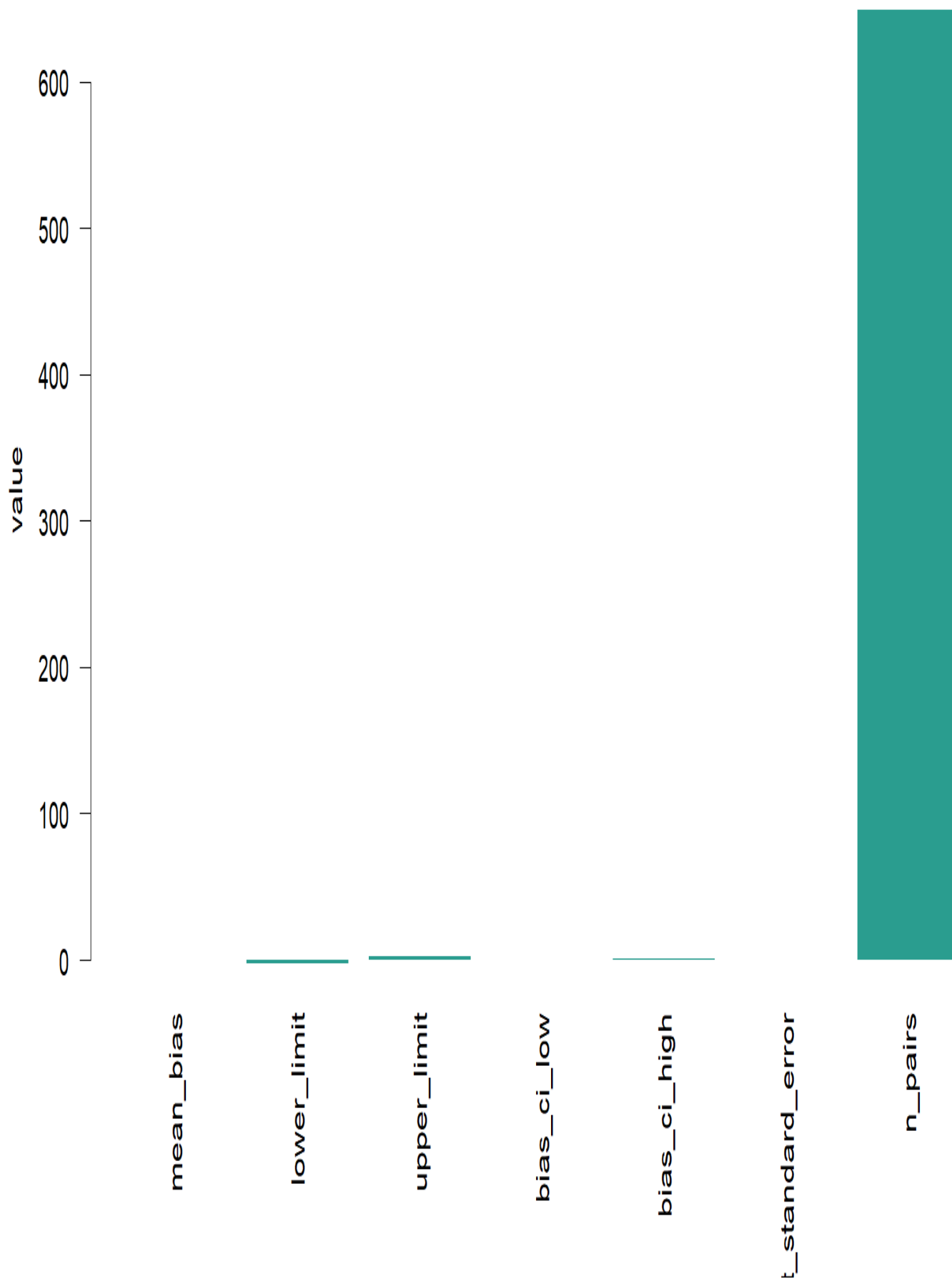
n_pairs: 649

Interpretation:

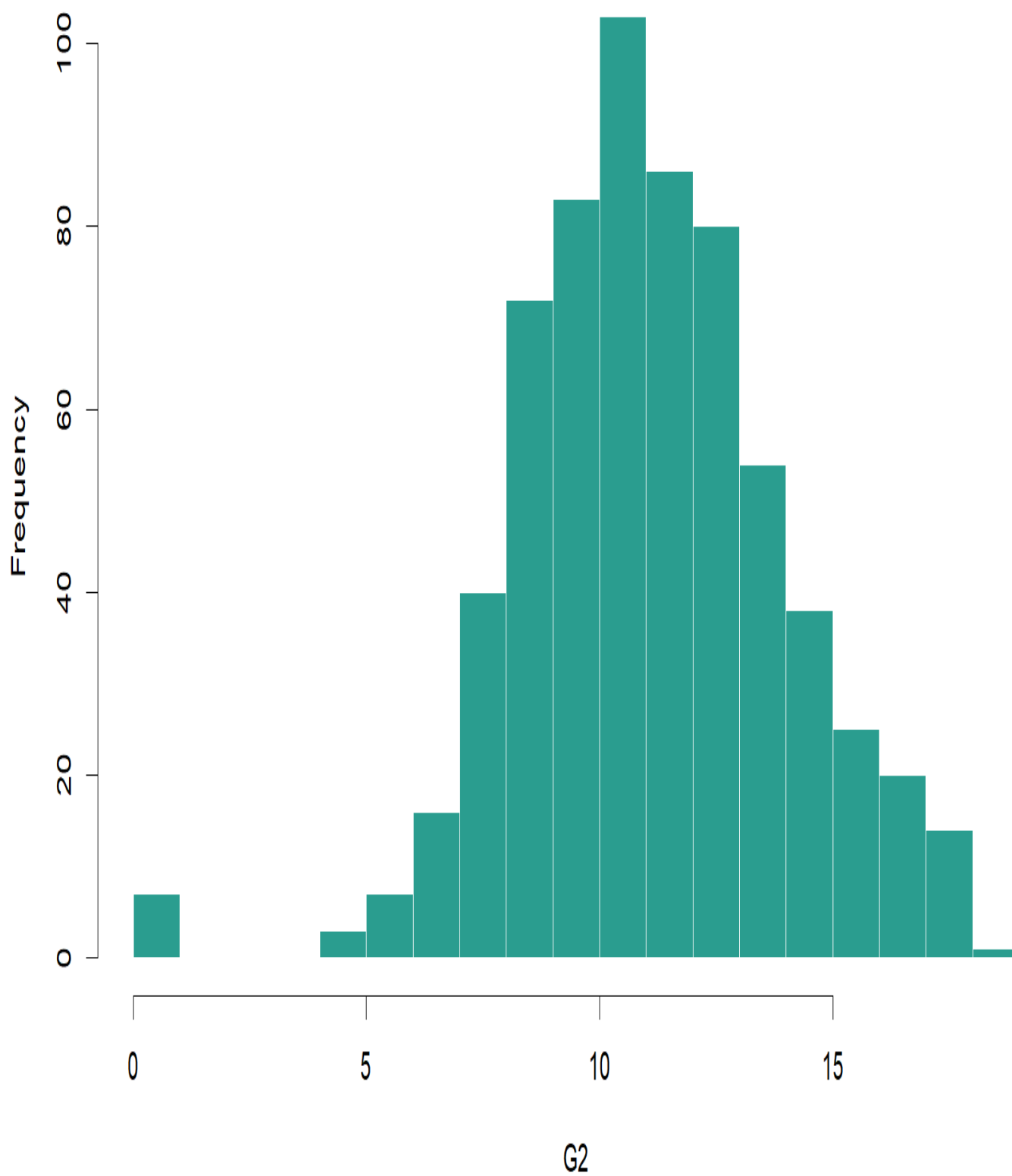
Confidence intervals quantify uncertainty around bias and both population limits.

G3–G2 limits -2.16945838286248 2.84126115636017

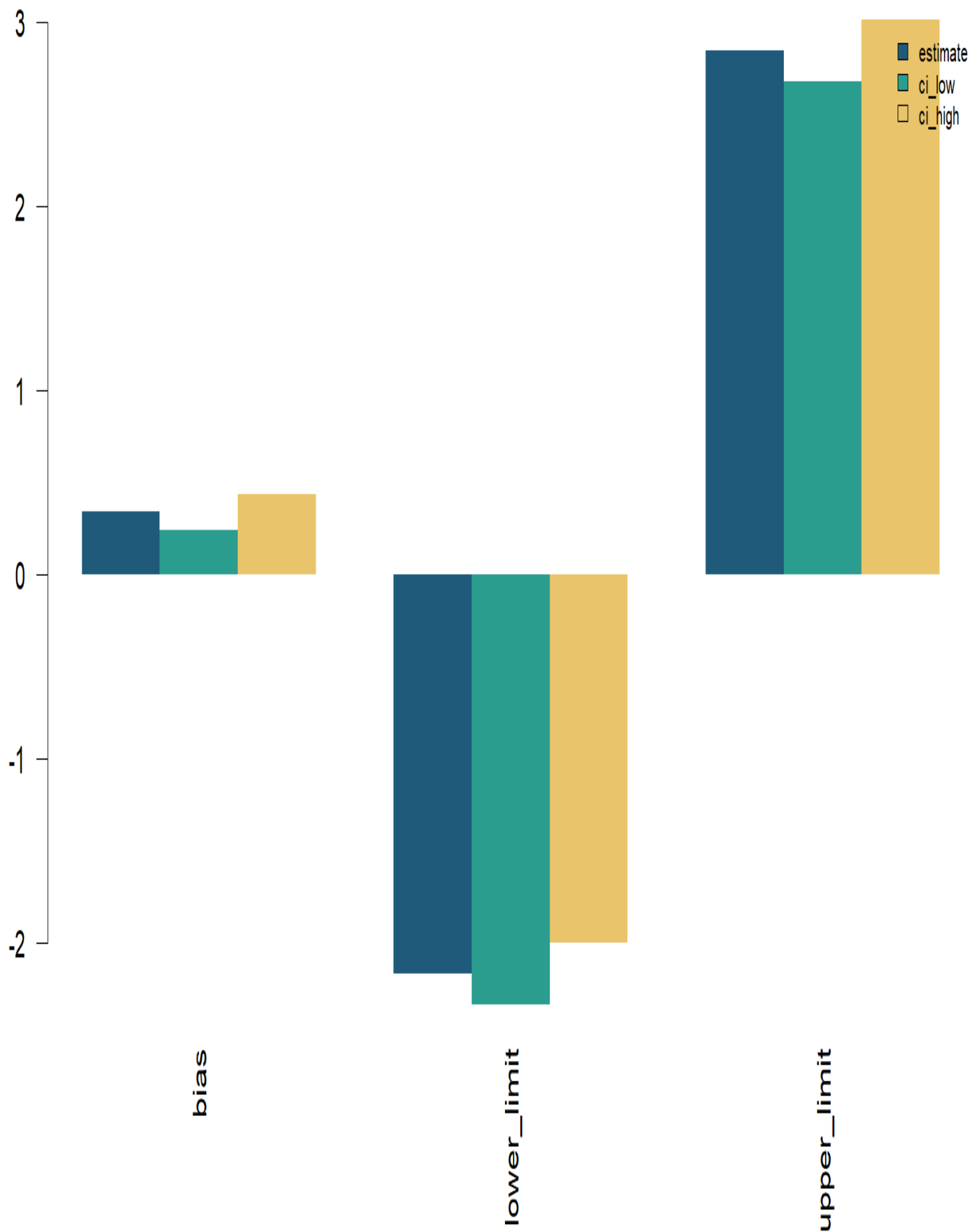
Limits of Agreement with Confidence Intervals - primary metrics



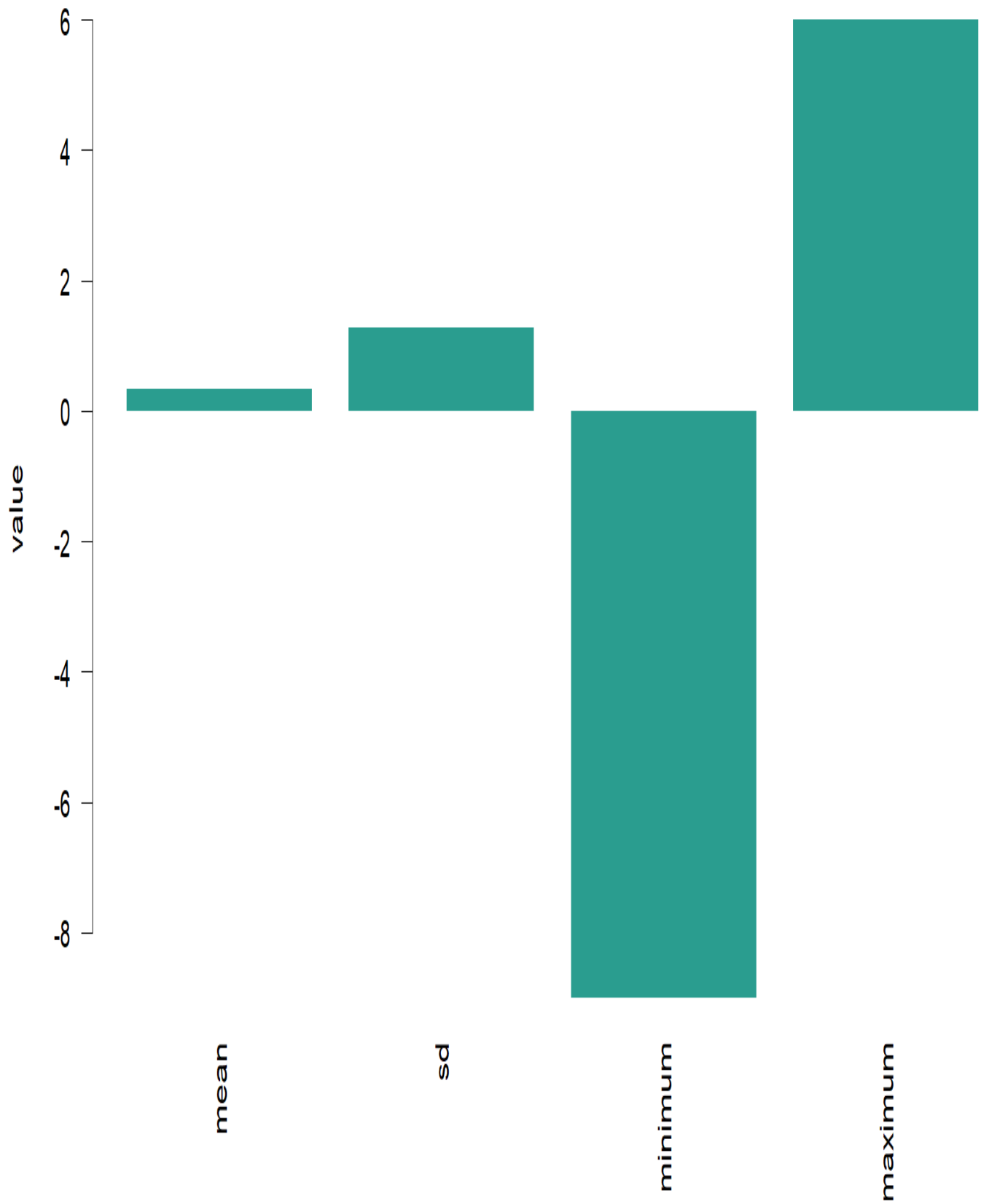
Limits of Agreement with Confidence Intervals - paired differences



Limits of Agreement with Confidence Intervals - agreement limits with ci



Limits of Agreement with Confidence Intervals - difference summary



Limits of Agreement with Confidence Intervals verified results

