

R-Style SEM with Bootstrap Path Interval

Test: R-Style SEM with Bootstrap Path Interval

Design: ML measurement fit plus deterministic case-bootstrap interval for the social-to-academic path.

Variables: G1, G2, G3, famrel, freetime, goout, studytime, failures

Null hypothesis: The bootstrapped social-to-academic path includes zero.

Formula: Fit measurement model by ML; resample cases and refit score regression 1,000 times.

Source rows: 649

Calculated metrics:

social_path: -0.0470898201207388

bootstrap_ci_low: -0.123649736188809

bootstrap_ci_high: 0.0305535482591645

bootstrap_replications: 1000

cfi: 0.997398206239512

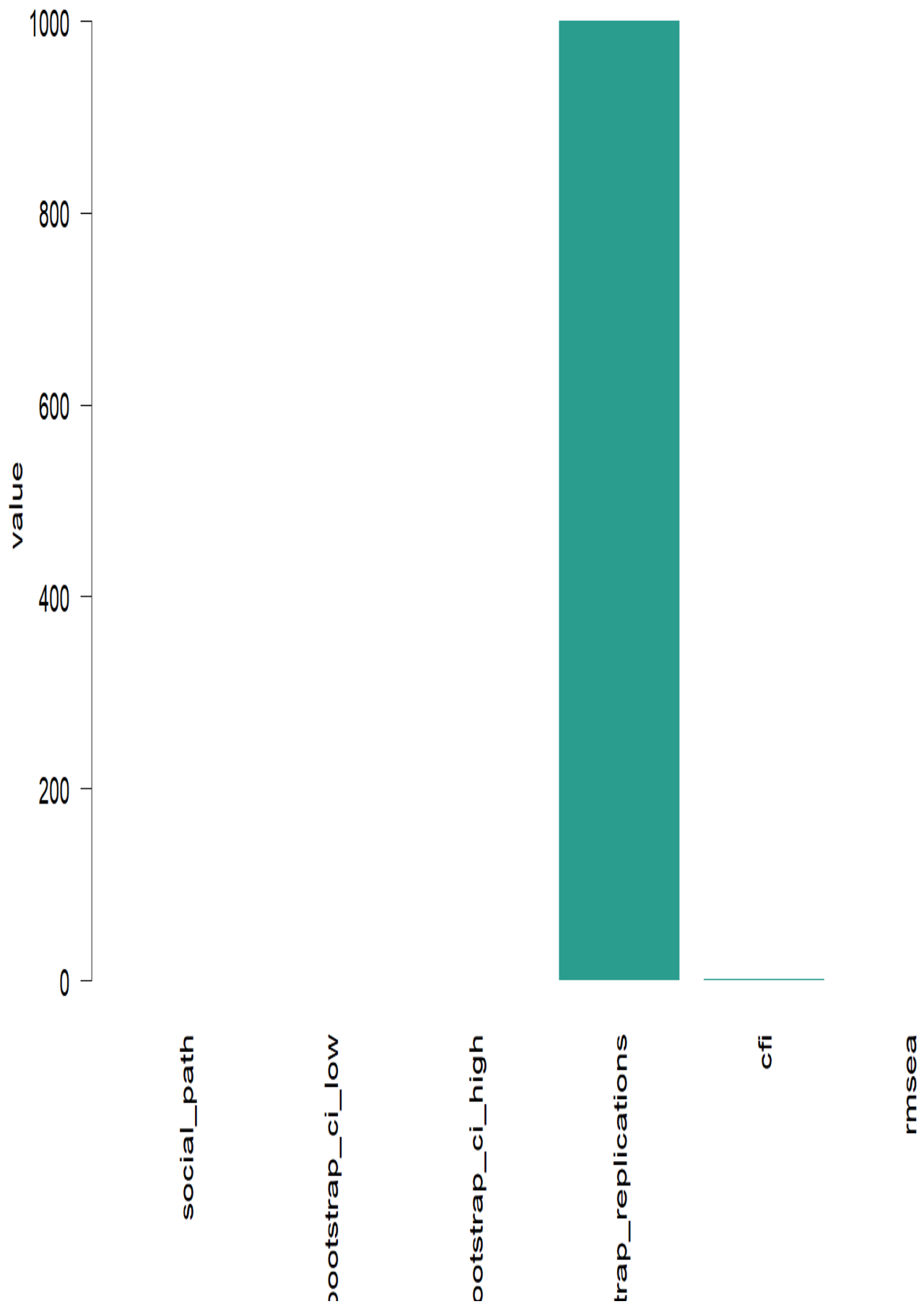
rmsea: 0.0333448246929569

Interpretation:

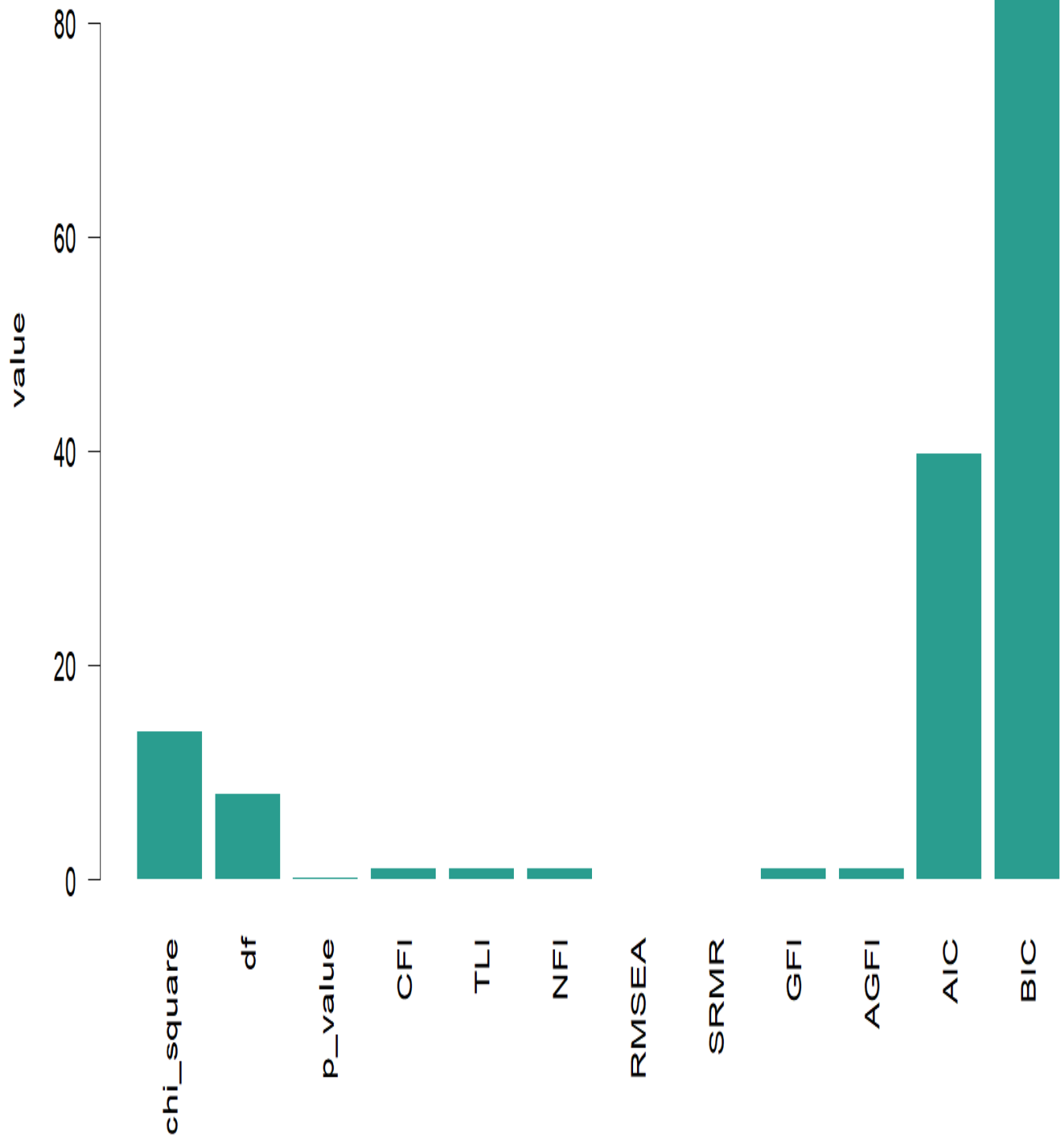
R-style SEM bootstraps fixed construct scores.

Interval -0.123649736188809 0.0305535482591645

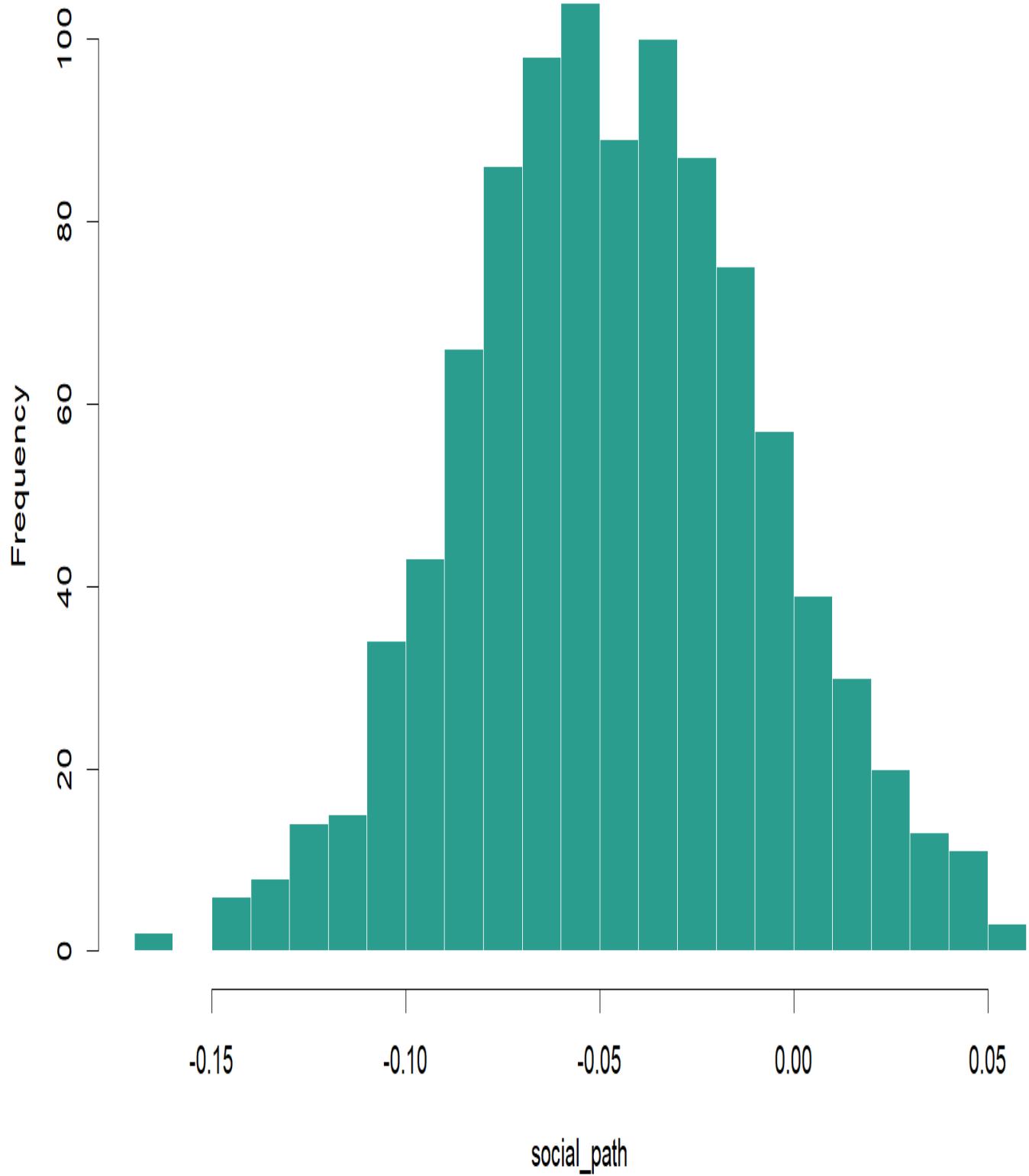
R-Style SEM with Bootstrap Path Interval - primary metrics



R-Style SEM with Bootstrap Path Interval - r sem measurement fit



R-Style SEM with Bootstrap Path Interval - r sem bootstrap distribution



R-Style SEM with Bootstrap Path Interval - r sem structural coefficients



R-Style SEM with Bootstrap Path Interval verified results

