

Factor Analysis & Linear Regression on Perfectionism Data

Reduces survey noise to four perfectionism factors and tests what predicts self-doubt.

BUILT WITH

Factor Analysis

Linear Regression

Statistical Modeling

Jamovi

Behavioral Data

4

latent perfectionism factors

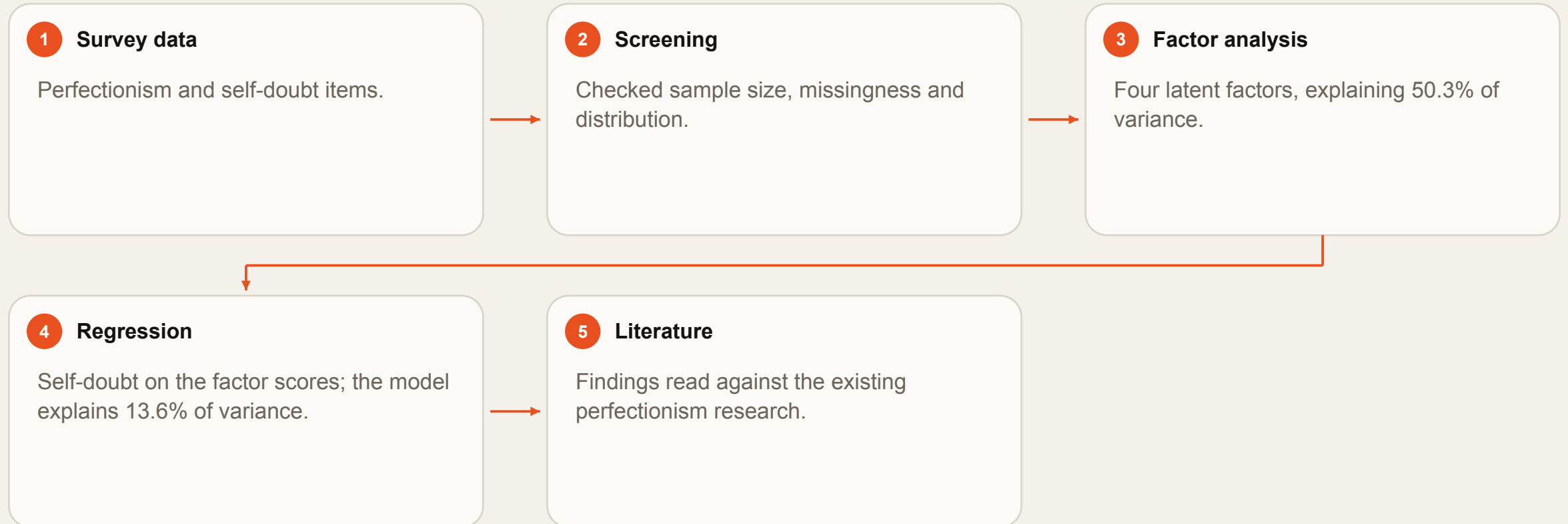
50.3%

variance explained by the factors

13.6%

variance in self-doubt explained

How it works



Key decisions

01

Factor analysis before regression

Many survey items overlap. Regressing on all of them would give a tangled, multicollinear model, so they were reduced to factors first.

02

Report effect size, not only significance

50.3% and 13.6% are stated plainly. A model explaining 13.6% is a real but modest effect.

03

Tie results to the literature

Findings are read against existing perfectionism research rather than shown in isolation.

Stack, status and what is next

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KNOWN LIMITS

- Convenience sampling limits how far results generalise.
- A cross-sectional design shows correlation, not causation.

NEXT STEPS

- Longitudinal or intervention studies to test causal claims.

SOURCE

<https://github.com/wailethewave/Data-Analysis-using-Factor-analysis-and-Linear-Regression>

