

Step 1. Attempt Manual Content Analysis

- a. Analyze an affordable annotated dataset (*feasible estimator*)
- b. Consider recommendations for manual content analysis (Bachl & Scharkow, 2017; GeiSS, 2021)

Require stronger evidence

Found convincing evidence

Report evidence from manual content analysis.

Step 2. Use Manually Annotated Data to Detect Systematic Misclassification

Test that ACs are conditionally independent of (in-)dependent variables given annotations.

For an independent variable test that $P(W|X, Z) = P(W|X, Y, Z)$

For a dependent variable test that $P(W|Y) = P(W|Y, Z, X)$.

Systematic misclassification

Nonsystematic misclassification
Use GMM or MLE.

Use MLE or MI.

Systematic misclassification