

A 'Complete' List of Threats to Validity

External Validity (Generalizability)

1. Different subjects
2. Different settings
3. Different time

Instrument Validity – Content Validity

4. Inappropriate content
5. Missing content
6. Inappropriate format

Instrument Validity – Criterion Validity (?)

Internal Validity

7. History
8. Maturation
9. Instrumentation
10. Initial testing
11. Regression toward the mean
12. Location
13. Implementation
14. Selection bias
15. Selective loss
16. Diffusion of treatment
17. Compensatory equalization
18. Compensatory rivalry
19. Resentful demoralization
20. Interaction effects
21. Hawthorne effect
22. Experimenter expectancy
23. Experimenter characteristics

Construct Validity

24. Inadequate preoperational explication of constructs
25. Mono-operation bias
26. Mono-method bias
27. Interaction of different treatments
28. Interaction of testing and treatment
29. Restricted generalizability across constructs
30. Confounding constructs and levels of constructs

Statistical Conclusion Validity

31. Insufficient power of statistical test
32. Unreliable instrument
33. Varied test conditions
34. Varied participant characteristics
35. Violation of statistical assumptions
36. Fishing