

CHDV 242
Methods Review

I. Issues Related to Design

- A. Experimental**
- B. Correlational**
- C. Quasi-Experimental**
- D. Qualitative**
- E. Developmental**
- F. Discussion:**

- 1) What are some potential threats to validity in studies?

- 2) What are the important issues for investigators studying development (i.e., intractable variables, study of change, use of self-reports, complexity of causal networks, directional causal biases, attrition)?

- 3) What are some ways that we can vary designs to deal with some of these issues? What (new) problems do these variations present?

II. Issues related to Measurement

- A. Reliability and Validity of measures**
- B. Methods of Data Collection**
 1. report
 2. performance
 3. observations

III. Issues Related to Analysis

- A. Preliminary analyses**
- B. Hypothesis testing**
- C. Experimental or Comparison designs**
 - ANOVA
- D. Categorical data**
 - Chi-square
- E. Analysis based on correlations/multivariate analyses**
 - Regression
 - ANCOVA/MANOVA
 - Discriminant analysis
 - Factor analysis
 - Path analysis
- F. Meta – analysis**

IV. Qualitative methods

- A. when to consider qualitative design**
- B. Qualitative data collection**
- C. Qualitative Analyses**

Discussion:

Given what you've learned about methodological issues, list some criteria you would use to evaluate a study you read for your literature review.

V. Ethical Issues

- A. Ethical principles**
- B. Review boards**
- C. Discussion**