I Measurement & Evaluation: Reviews

❖ Who institutionalized code inspections and what was their initial purpose?
❖ What is involved in code inspection? What are the critical factors? What are believed to be the benefits of code inspections?
❖ What are we trying to accomplish and what are the trade-offs? The benefits?
❖ Does this technique apply to other artifacts in developing software systems? Why or why not?
II Measurement & Evaluation: Reviews

Think of an experiment as a function that has input variables that it manipulates to produce results

♀ Experimental variables
♀ What are the experimental variables? Enumerate them.
♀ What are their possible values and why?
♀ What are the underlying rationale for these choices?

♀ Defect methods
♀ Why are they important?
♀ What type of methods are there?
♀ What are their benefits
♀ What kinds of responsibilities are there?
♀ What kinds of coordination policies are possible?

♀ What are the hypotheses for this experiment?
♀ What is the experimental model?
III Measurement & Evaluation: Reviews

- Experimental design
  - What are the independent variables?
  - What are the dependent variables?
  - What are threats to validity and how are they handled?

- Experimental results
  - What was the distribution of defects?
  - What was the interval data?
  - What was the effectiveness data?
  - What were the meeting effects?

- What kinds of conclusions can we draw?
  - On individual preparation?
  - On meeting gains?
  - On teams size?