**IS1 Discussion**

- “consider what knowledge/ improvement/ techniques in software engineering are needed in your chosen area”
- Most said standardization, more use, more training
- I was hoping for new techniques, new methods, new knowledge

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**Terminology**

- experiment
- factor
- treatment
- subject
- replication
- Blocking
- factorial design
- local control
- influence
  - passive
  - active
- temporal

**IS1 Discussion**

- Group 1 – liked 100% coverage – my question is how much better is 100% C0 versus 100% C1?

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**IS1 Discussion**

- Group 4 – metrics were important – my question is whether a better metric value means better system?

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**IS1 Discussion**

- Group 8 – checking OCL is difficult – my question is how much better is a project produced from a checked OCL?
Class Discussion

◆ What new … would be useful?
◆ What kind of experiment should be used to validate each?

Class Discussion
◆ Describe which of the desired “new thing” could be tested with “controlled” experiments
  – replicated
  – synthetic
  – dynamic analysis
  – simulation

TTYP Discussion
◆ Design an experiment to test whether decreasing McCabe’s complexity number (one plus the number of decisions in the program) decreases the number of faults in a program

For L5 (Tues 9/10)
◆ Kitchenham, etal
◆ Laitenberger, etal