Research Methods
in computer science
Fall 2015

Lecture 6

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September 14, 2015
Agenda

HW3

CS Experiments and Metrics
Assignment 3

Find 10 papers related to your research project and show how they are related to your work and to each other.
Communicating Research Outcome

Why is it important?
What is your idea and how does it work?
How is it better?

Prior work
Experiments
Experiments

Hypothesis
Scenarios
Measurements
Conclusions
Science and Engineering View of Computer Science

Regardless of the view, we still do experiments and evaluations to test our ideas. The framing may be slightly different.
Types of Experiments

Model / Analysis
Simulations
Testbed (Real word \textit{lite})
“Real world”

Which one to use when? Each technique brings a different level of realism. Realism not always good!