Research Methods
in computer science
Fall 2021

Lecture 14

Omprakash Gnawali
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Agenda

Conference updates
Guest lectures
Adequate descriptions of systems
HW7
The Body of the paper

Depending on the area of work may describe the proposed algorithm, proofs, systems, implementations

[slide from a while ago...]
How much details?

Ideally: Enough for someone to replicate your system or idea

Practical consideration: 1-2 pages.
Illustrations

“One picture is worth a thousand words”

Architecture
Data flow

Try to have 1-2 diagrams describing your system
Code and Data Release

Becoming common in many areas of CS
Important tool for reproducible research

Code and data is not adequate.
Lots of code and data but impossible to understand artifacts
How much details should we use to describe experiments?

Same consideration as describing your system.
Consequences of inadequate clarity

An experiment writeup that can be interpreted as proving humans are faster than a car
Describe your system or approach in about one page.