

Research Methods in computer science

Spring 2019

Lecture 16

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Agenda

HW7 live grading

Conference Organization

Experiment and Metric exercise

Paper expectations as a reviewer

HW8

Which autonomous driving algorithm makes a car go fastest on a highway packed with rush hour traffic?

Experiments?

Metrics?

Does allowing the students to do
Chemistry Labs in Virtual Reality improve
their chemistry grade?

Experiments?

Metrics?

Paper Expectations

Readers and reviewers set expectations

What are they?

Fair and unfair expectations.

Claims

Is the claim articulated clearly?

Is the claim specific enough?

Evidence

Is there evidence supporting the claim?

Is the evidence credible?

Often just from the title,
we set expectations for the paper.

It can be positive:
efficiency in reading and reviewing

Lets discuss expectations
for the following paper ideas

A new algorithm that translates English text to Spanish.

A new wireless networking technology.

A new algorithm that can identify the person in an image.

HW8 – Generating ideas

Pick a research paper.

Generate three ideas related to that paper.

Title

Similarity

Difference