[Hanson99a] and [Jamin97b]: Reading Papers: a guide to survival

CSci551: Computer Networks SP2006 Thursday Section John Heidemann

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What you're up against

- 44 papers
 - about 3 per class (!)
 - plus supplementary if you want :-)
- written for experts
- written for their time (not now)
- all having to show how cool they are
 - as opposed to a completely objective overview

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What's on your side

What about reading Critically?

- reading them in depth, analyzing as you go
 - think about if the arguments are really correct or not
 - question what you read as you go
- think about what are the strong or weak points of the paper

What are my extra hints?

- Keep a database (bibliography) of all your papers
 - will save lots of time when you write a
 - will save lots of hair when you want to remember something you read once
- Keep *on-line copies* of all your papers
 - $-12 \text{ years} \Rightarrow 3.5 \text{ CD-ROMs}$

- new idea
 - really new? how do you know?
 - related work & context
- so you must know the problem
 - clearly stated?
- and how to evaluate
 - do their experiments back up their claims?

What to look for?

- are their experiments statistically sound?

What kinds of papers?

- idea papers
 - better have good insight into something! implementable?
- systems building papers
 - is their system really new? solid? insight? lessons? alternatives?
- analysis papers
 - are their models clean? relevant?
- evaluation papers (traces or experiments of existing systems)
- do they show insight into something new?

Practicing These Approaches

- you will all have to read these papers
- homework 1 (posted today) will look at exactly these things we just talked about

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Into the fray

- · Good luck!
- XXX

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