

Tips to Make a Clear Research Presentation

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credit: You Are How You Read by Dr. Harry Shum

Why Reading a Research Paper?

- ▶ **My advisor/classmate** tells me to read this paper
- ▶ This is **on the required reading list** for this course
- ▶ This is **referenced from the paper** I am reading

- ▶ I need to **write a summary** about this paper
- ▶ I need to **do a presentation** about this paper in my class
- ▶ I need to **write a survey** about sth related to this paper

- ▶ I need to **implement** some parts of this paper
- ▶ I need to **review this paper** for a conference or a journal
- ▶ I need to **learn from this paper** for my future writing

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How Do You Approach Reading Papers?

- ▶ Quick skimming
- ▶ Critical reading
- ▶ Creative reading

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Critical Reading

Be suspicious!

Critical Reading

If the authors attempt to solve a problem,

- ▶ are they solving the right problem?
- ▶ are there simple solutions not considered?
- ▶ what are the limitations of the solution?

If the authors present data,

- ▶ do they have right data to substantiate argument?
- ▶ do they gather it in the correct manner?
- ▶ do they interpret data in a reasonable manner?
- ▶ are there other more compelling datasets?

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- ▶ *Creative reading*

Creative Reading

Positive thinking!

Creative Reading

- ▶ What are the good idea in this paper?
- ▶ Improvements that make important practical differences?
- ▶ Applications/extensions that the authors might not have thought of?
- ▶ Can they be generalized further?

Reading is Modeling

To build a cognitive model of the author

- ▶ Take care of who the author is
- ▶ Read other works by the same author

The thought of the author is more important than tricks

- ▶ Thoughts⇒Methods⇒Tricks

To refine the cognitive model of yourself

- ▶ Figure out what you need to improve to align with the cognitive model of the author
- ▶ Simulate the mind of the author in your mind