Agenda

Paper expectation
Idea generation
HW6
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
In-class group activity

Pick a paper

Identify the claims

Evaluate the quality of evidence supporting the claim
Generating Research Ideas

“Standing on the shoulders of giants”

Most ideas may not be new
New may be subjective
  Adding a layer to an existing deep learning architecture
    When is it new?
    When is it not new?
Idea Generator Heuristics

Combination / Hybrid techniques
   From the same discipline
     (e.g., ....)
   From a different discipline
     (e.g., ....)
Address Gap/limitation (Incremental?)
   Handle some cases that were not handled
   Improve some (partial) aspects of dimension
Apply different datasets / settings / contexts
In-class group activity

Pick a paper

Generate a derivate idea
Introduction

Consider the questions we discussed