# Paper Reading & Discussion

## Computers Can Learn from the Heuristic Designs and Master Internet Congestion Control

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# Questions

- This applies for both papers, but mainly for this one. Given that this is a ML-based model, it's sort of like a black-box, in that its *"rationale"* for a given output is subject to interpretation and speculation. In large-scale systems, would the inability to debug the model make it infeasible to deploy?
  - NOTE: How do companies like TikTok / YouTube / Facebook with several deep learning models and large user-bases handle this?

# Comments

- Figure 8 (c), can't find Orca on the figure. Perhaps it's hidden by the legend?
  - If assumed true, this would mark terrible performance on highly variable link networks for Orca.
- The model may be trained on data from practically any CC policy model, which allows it to be trained on new heuristic based approaches, as they are published.
- Given the mentioned CPU overhead, it would be interesting to explore the scalability of the Sage model, especially in large scale network environments.