

# CSE3000 Weekly Progress Presentation

WEEK 8

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What have I done so far?

## Progress on experiments and code

- Conducted an analysis together with experiments on **Continuous Weighted Hotstuff behaviour**.
- Adjusted graphical illustrations of experiments included in the paper.
- Separated the latency prediction models from the actual experiments and created separate files for each experiment included in the paper.
- Gathered all other experiments on Hotstuff and Chained Hotstuff in two separate files.
- Created a **command line runner tool** to run these experiments + additional ones that one might want to conduct on different specified settings.

# Progress on RESULTS

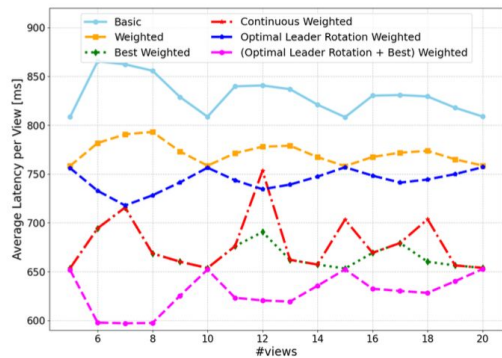


Figure 2: Average latency per view in **Hotstuff** protocol variants with  $f = 1, \Delta = 1$ .

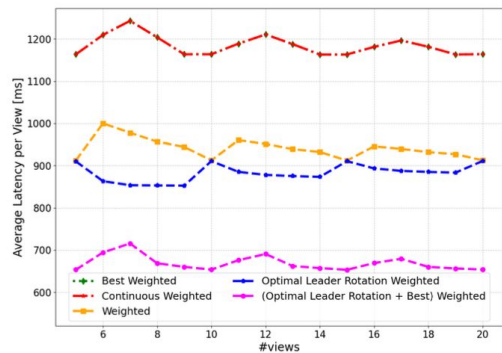


Figure 3: Average latency per view in **Hotstuff** protocol variants for **faulty scenario**,  $f = 1, \Delta = 1$ .

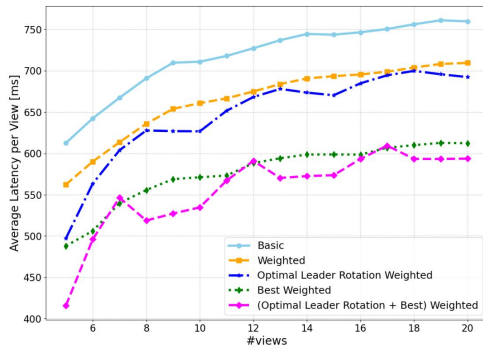


Figure 4: Average latency per view in **Chained Hotstuff** protocol variants,  $f = 1, \Delta = 1$ .

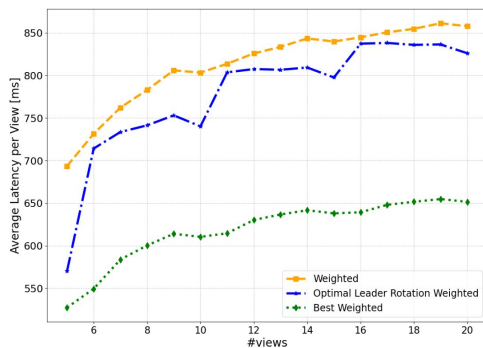


Figure 5: Average latency per view in **Chained Hotstuff** protocol variants for **faulty scenario**,  $f = 1, \Delta = 1$ .

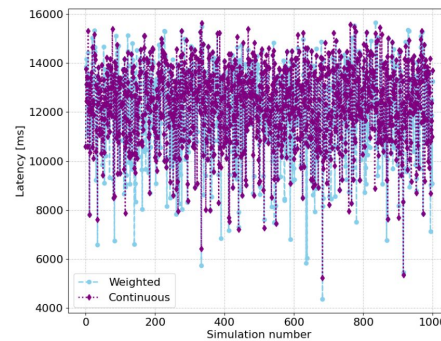


Figure 6: Weighted vs Continuous Weighted Hotstuff latency performance,  $n = 5, 10$  views executed.

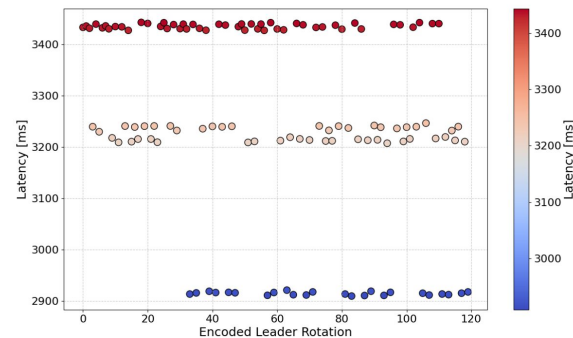


Figure 1: Analysis of impact of leader rotation on Hotstuff's latency performance,  $n = 5, 4$  views executed.

## Progress on paper

- ➔ Abstract + Conclusion completed.
- ➔ Adjusted paper based on feedback received from professor and peers.
- ➔ Submitted Draft 2 of the research paper.
- ➔ Proofread the paper.



What is next?

# Goals for the **END**

1. Respond to feedback on the paper and adjust it accordingly.
2. Complete experiments framework, clean the codebase and write a README file explaining the contents of the repository.
3. Check the overall project for correctness and ensure transparency of the whole research.
4. Poster and Presentation slides.
5. **Submit the deliverables.**



# My Questions