

Paper Reading & Discussion

Paper Title	Estimating WebRTC Video QoE Metrics Without Using Application Headers
DOI	10.48550/arXiv.2306.01194
Name	Sahil Pattni
Concordia ID	40216177
Course	COMP 691
Lecture	6

Questions & Comments

- Given that Zoom runs over its own proprietary protocol, it is possible that other major VCA providers may introduce their own proprietary protocols in the future as well. Such protocols may not offer the capability to extract QoE metrics as ground-truth for training purposes, making such systems ineffective.
- The proportion of real-world data is low compared to the synthetic data used for evaluation purposes, one of the reasons for this is how expensive it can be to collect such real-world data under varied network conditions. To provide inference from a model that is accurate at scale (i.e. able to generalize well on different network conditions), a significant amount of real-world ground-truth data will have to be collected, which will be non-trivial, fiscally.
- The analysis of feature importance is well thought out and could lend itself to future work where data is only collected on the most impactful features, leading to a more efficient model.