

Minutes ARM ZTA Meeting

Monday 22 January 2024

Meeting begun at 11:25 am

Participants

- Dr. Soundararajan Ezekiel
- Dr. Xin-Wen Wu
- Dr. Waleed Farag
- Samuel Moffat
- Nicholas Reid

Talking Points

- Meeting with Ezekiel during the week
- Find common time for all

Progress Report

- Justin
 - Visualization – too much data, looking into tsne
 - Cleaning up unnecessary fields for cleaner models
 - SVM based on linear/planar data, not classifying -> not much improvement
 - Successfully saved and loaded models from XGBoost and SVM
- Sam
 - HR paperwork being taken care of today
 - Tutorials added to documentation folder
 - Weekly slides started (content explanation for next week)
 - .edu account set up for MatLab (thank you Dr. Farag!)
 - Zeek & Kafka servers set up on Calypso
 - Consumer w/basic visualization runs fine
 - Parameters matched between dataset and Zeek log files
 - Working on preprocessor script to format data from Zeek logs

Tasks

- Justin
 - Visualizing models using TSNE
 - DCNN Modeling
 - Passing new data through saved models
 - Re-training models with new data
 - Messing with hyper-parameters to optimize for live data
- Sam
 - Finish preprocessing script to format data for analysis & re-training models
 - Linking different entries via Zeek UID

- Re-configure tap in computer lab
- Issue with Calypso screen?
- Consider adding more params from Zeek in the future
- Weekly content explanation docs

Meeting adjourned at 12:10 pm

Next Meeting Wednesday, 7 February at 11:15 am