

Minutes ARMZTA Meeting

Wednesday 12 June 2024

Meeting started at 6:32 PM

Participants:

- Dr. Soundararajan Ezekiel
- Dr. Waleed Farag
- Dr. Xin-Wen Wu
- Ainsley Weidensall
- Alexander Miller
- Mohamed Abdel Hamid

Talking Points:

- Resolving technical issues with lab machines, giving Mohamed access to lab machines via TeamViewer
- Get in contact with Rebecca and Elijah
- Alex has successfully implemented Kafka and Zeek on lab machines and created a preprocessing program to convert the datastream to CSV for XGBoost
- Need to clarify who is working, task assignments, etc
- Discussion on what new students would need to learn for ARMZTA- don't need to learn all the ML algorithms, focus on CML?
- Mohamed's SVM results are significantly better than expected for the model- Due to data simplicity? Script issue?
- XGBoost for now seems to work well regardless of explicit validation step, but we will want to add the validation step to ensure that the accuracy of XGBoost doesn't degrade with the introduction of live data

Tasks:

- Mohamed
 - Look over XGBoost and SVM results
 - Start with Collaborative Machine Learning tasks
- Ainsley
 - Look into autonomous deployment and mitigation (taking over from Drew), including risk scoring system for incoming traffic

- Assist Alex with preprocessing and debugging
- Alex
 - Continue work with Zeek/Kafka
 - Get live data working with XGBoost

Meeting adjourned 7:32 PM

Next Meeting: 6/19/2024 6:00 PM