CAE Research Project Meeting Minutes

11/16/2021

• Participants
  o Dr. Waleed Farag (PI)
  o Dr. Soundararajan Ezekiel (Co-PI)
  o Dr. Xinwen Wu
  o Zaryn Good
  o Franklin May
  o Ryan Gress
  o Sky Semone
  o Cassie Lefever
  o Maria Balega

• Meeting started at 3:00 p.m.
• Unanimously approved minutes for meeting on November 11, 2021

• Main Points
  o Discussed:
    ▪ Maria & Cassie
      • Working on preprocessing the IoT-23 dataset
    ▪ Zaryn & Sky
      • Testing KDD for different test/train ratios, accuracies are decreasing
      • Updated image conversion
    ▪ Franklin
      • Cleaned up KDD preprocessing, running it in XGBoost and SVM, got 99% for SVM which may be from skewed data
    ▪ Ryan
      • Cleaned up TON-IoT preprocessing, ran through XGBoost function that Alicia created and got 99% accuracy which is different than usual
  o Tasks:
    ▪ Maria & Cassie
      • Finish preprocessing IoT-23 dataset and run through XGBoost
      • Create graph of results for writeup
    ▪ Alicia
      • Continue working on report and XGBoost function
    ▪ Zaryn & Sky
      • Continue running datasets in DCNN
    ▪ Franklin
      • Continue working on running KDD in XGBoost and SVM, look into execution time
      • Work on DCNN abstract with Zaryn
    ▪ Ryan
      • Look into XGBoost function and figure out why new results differ from the original
- Adjournment at 3:50 p.m.
- Next meeting will be held on Tuesday November 23 at 3:00 p.m.