CAE Research Project Meeting Minutes

11/11/2021

Participants
- o Dr. Soundararajan Ezekiel (Co-PI)
- o Zaryn Good
- o Franklin May
- o Ryan Gress
- o Sky Semone
- o Alicia Deak
- o Cassie Lefever

Meeting started at 3:00 p.m.

Unanimously approved minutes for meeting on November 2, 2021

Main Points
- o Discussed:
  - Maria & Cassie
    - Remerged all the CSV files for the IoT23 dataset.
    - Restarted preprocessing for IoT23 dataset.
  - Alicia & Sky
    - Rearranged content in the Titan.
      - o Data files are being moved into Storage 6 to save space on Titan.
    - Gathering content for report.
      - o Discussed writing the entire report, which will be sent to Dr. Farag when done.
  - Zaryn & Sky
    - Increase the speed of data to image conversion to factor of 30.
    - Converted more data to images.
    - Ran DCNN on KDD to compare to XGBoost.
    - Reviewed Matlab codes with Dr. Ezekiel.
  - Franklin
    - SVM is mostly working but there has not been much time to run it on the Titan since it has been busy.
  - Ryan
    - Found what the issue was with why he was getting the same results with XGBoost on ToN-IoT dataset.
- o Tasks:
  - Maria & Cassie
    - Put documentation within your code so that anyone else could look at it and understand it.
    - Finish preprocessing IoT23 dataset and run through XGBoost to get results.
  - Alicia

Create one XGBoost file that everyone will use to process their results.

Continue to clean up the Titan and the report

Zaryn & Sky

Put documentation within your code so that anyone else could look at it and understand it.

Discuss DCNN and goals with Franklin for the abstract.

Franklin

Put documentation within your code so that anyone else could look at it and understand it.

KDD dataset will be rerun through the new XGBoost script.

Clean up code.

Ryan

Put documentation within your code so that anyone else could look at it and understand it.

Take your code from your personal machine and put it onto the Titan

Adjournment at 3:45 p.m.

Next meeting will be held on Thursday November 18 at 3:00 p.m.