# CAE Research Project Meeting Minutes

## 4/29/2021

- Participants
  - Dr. Waleed Farag (PI)
  - Dr. Soundararajan Ezekiel (Co-PI)
  - Dr. Xin-Wen Wu (Co-PI)
  - Cassandra Lefever
  - Alex Robbins
  - Maria Balega
- Meeting started at 4:30 p.m.
- Unanimously approved minutes for meeting on April 14, 2021
- Main Points
  - Updates:
    - Alex and Maria
      - Update on k-means clustering for IoT23 datasets
      - Starting with ports for now, working on one-hot encoding for network addresses and other columns
    - Cassie
      - Update on Zeek Flow documentation
  - Tasks:
    - General comment – We should keep track of computational complexity when analyzing data (actual time to compute, CPU cycles, etc.) for future reports
    - We will be meeting with Dr. Pearlstein sometime to discuss one-hot encoding, we will be implementing our own one-hot encoding script after finals
    - Alex –
      - Remove clusters with amount of flows below 100 and re-run the bad analyses without those clusters, see if results improve
    - Maria-
      - Download full IoT23 dataset onto Titan, make a backup on one of Dr. Ezekiel's hard drives
- Adjournment at 5:45 p.m.
- Next meeting will be held  May 6. Use DR. Farag Zoom link to join the meeting.