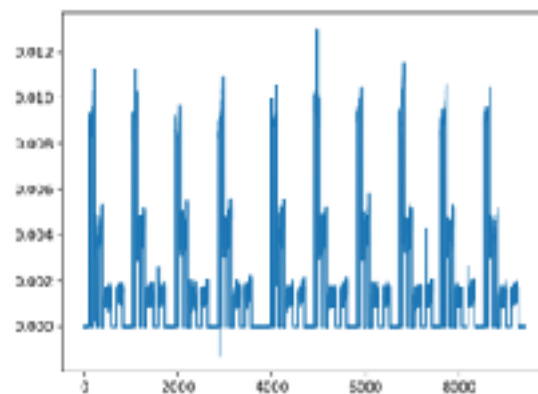
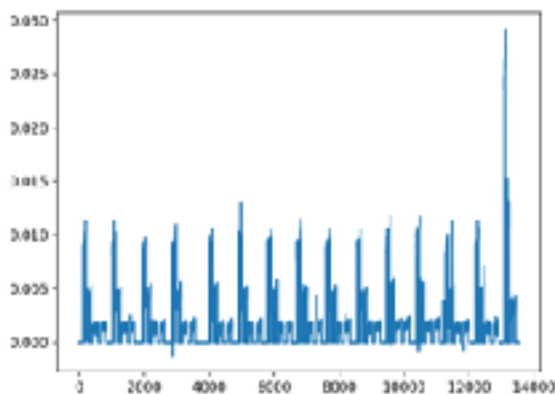


Weekly Report

What I did:

- Try to take some real data but don't know how to setup data collection services from CNC3.
- Need help on setting up the services
- Instead working on the data Miguel took while ago
 - Did data preprocessing and correctly prepared the feature matrix for every experiments.
 - Looked into the features across 28 experiments and find the following insights:
 - M1 current, S1 Command Position, S1 Output Current, S1 Output Voltage , S1 Output Inertia, Z1 Command Position, Z1 Command Acceleration, Z1 Command Velocity, Z1 Current Feedback, Z1 Output Current, Z1 Output Power, Z1 Output Voltage are constant all the time across 28 tests.
 - Test the class separability of the features between 50% load and 100% load:
 - all features includes: results not promising
 - looked into some important feature (power, voltage current)
 - different feature contributes to different class. (even though we both look at output power, we cannot distinguish them from modern classification algorithm)



Goal for next week:

- Working on the Midterm reports and Midterm slides
- Would be out of town during presentation, Looking for alternative presentation time slots...