

Week Six Status

10/28/2022

TEAM RAD

Real-time Anomaly Detection

End of sprint #1

Notes: SageMaker will not be used for initial model training, only testing and analysis for streamed data.

Previous overall tasks:

- Joint AWS account is made and running.
- Alternative to SageMaker model training is up and running for the BETH dataset, see [github](#)

Gavin Cutchin

Pytorch:

- **Accomplishments** - Setup and trained BETH sample data for modeling and uploaded to [github](#).
- **Next steps** - Run the large data set and generate full sized models with each method of analysis. Create a program to handle incoming streamed data.
- **Questions** - How should streaming into a model be handled? SageMaker?

Kinesis:

- **Accomplishments** - On hold
- **Next steps** - Migrate the current system to a IDE environment so it can be uploaded to Git. Implement sample data generation to be sent to SageMaker.

Sprint #2 - 11/11/2022

Goals:

- Deploy Pytorch model on Sagemaker endpoint
- Get Kinesis Firehose hooked up to the model.

~Double check GPU leverage

~Reach out to Jake Jeffers