

Major Changes:

The IoT data collection will integrate Robot Operating System (ROS) to better suit the need of client-side data collection.

Accomplished So Far:

Tested whole pipeline process from gathering information on Amazon IoT core, querying data from Amazon S3 service and start running training algorithm. Also finished primitive version of adaptive machine learning algorithm runtime estimation. Halfway through integration of IoT service with ROS.

Meeting the Milestone:

I have met the project milestone of these two weeks.

Surprises:

Not exactly surprise but a discovery. There is this category in machine learning called lifelong learning that fits well into successive stream of data. If possible, I will find a such algorithm and test if it fits well into the system.

Revision to 15-400 Milestone:

No revision to milestone.

Resources needed:

After finishing integration with ROS, I will ask for more training data in ROS bag form to test my ROS integration.