GTBT Report 09/12/2014

**Implemented Features**

User Interface

The user interface now allows users to perform the following tasks:

* Compare the size of dimensions for two entities1
* View location data on maps, filtered by all dimensions or one dimension.2
* View a rate of tweets coming through per day or per hour.3
* Add entities to a personal track list for a logged in user.4
* View a list of entities the user is currently tracking5
* View the tweets of an entity filtered by reputation dimension.6
* Loading Icon in percentage to give visual feedback to the user.7

Data-service

The data service now allows the following requests:

* Tweet distributions over time (per hour or per day)
* Tweet distributions over reputation dimensions
* Tweet distributions over all authors.
* Retrieve tweets limited by number of tweets

Notifications

* On, initialisation, the script retrieves all tracked entities and establishes a baseline rate for each entity.
* Baseline rate is calculated by looking at previous 24 hours of tweets
* It then calculates the current rate by looking at the previous hour, i.e. if the time was 1.30pm the previous hour would be 12-1pm.
* If the current rate is greater than the baseline by 10% for an entity then it prints to console “entity $entityname exceeds threshold.”8
* The script waits for 60 minutes before performing task again.

**Image References**