**Distributed Tweet Location Project**

Goals:

1. Load tweet files into separate SQLite databases in 1-day batches
   1. Database will be named **<batch\_date>.db**
   2. Include user\_id, tweet\_text, tweet\_location, tweet\_date, fips as table columns
   3. This table will be called **tweets**
2. Get the modal location for each 1-day batch of users
3. Check for which users the modal location changes

Steps:

1. Import tweets to database
   1. Chunk tweet file by day
   2. Loop through day chunks
      1. Loop through files in chunk
      2. Loop through tweets in file
         1. Insert tweets into database
2. Save unique users to tweets database
3. Loop through unique users in each database
   1. Save user\_id and modal\_location in table called user\_locations
4. Loop through records in each user\_locations table and create a new database
   1. Insert unique user\_id + location records into new table
5. Get potential movers
   1. Choose all per-day database files
   2. Get aggregated unique users (found in all databases)
   3. Loop through each database
      1. Get locations for each user