Name: Flutracker

Team members: Joe, Lee, Ben

Objective: Investigate historical flu spread patterns against the following possible datasets/drivers:

* Flu Activity Map (<https://catalog.data.gov/dataset/fluview-national-flu-activity-map>) (Joe and Lee)
  + Measure:
    - Flu count by cdc or some other health organization
  + Dimensions
    - Location: State or lower
    - Time: Minimum by month . Preferable Date or lower
* Historical Weather Temperature and precipitation records (Openweathermap) Ben
  + Measure:
    - Temperature Degrees
    - Count of Precipitation Occurred Y/N
  + Dimension
    - Location: State or lower
    - Time Min by Month Preferably date or lower
* travel: temporal highway travel patterns, Joe
  + Measure:
    - Count of cars through state
  + Dimension
    - Location: State
    - Time Min by month
* Travel: temporal air travel patterns, temporal air travel patterns (USDOT) Lee
  + Measure:
    - Count of passengers
  + Dimensions: Location
    - Time
* Vaccinations Ben
  + Measure:
    - Vaccination Count
  + Dimension
    - Time…probably aggregated by year
    - Location
* Twitter tags: “sore throat” “flu” etc. (Flutrack)
  + Measure
    - Count of tweets
  + Dimension Location
    - Location of tweet?

We want to understand how influential weather and travel drivers are upon flu outbreak patterns across the U.S. We want to know how well correlated flu outbreaks are with travel pattern spikes. We also want to know how well correlated flu outbreaks are with weather pattern changes. We would possibly want to know how well correlated flu outbreaks are with flu vaccinations