

Da-Flow

CS448B Final Project Progress Presentation
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Objectives

Our Question:

How have musical tours by top artists changed over time?

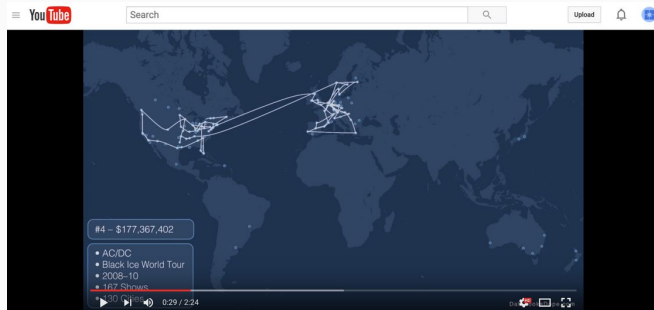
Our Objectives:

1. Map **trends in musical tours** for top artists in the United States.
2. Map **performing relationships** between artists overtime.
3. Allow **temporal filtering and search** interactivity.

Existing Work



<http://vizzuality.github.io/rollingstonesmap/#/8>

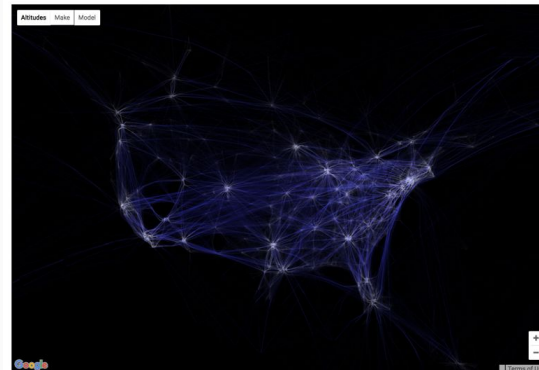


<http://vizzuality.github.io/rollingstonesmap/#/8>



<http://www.setlist.fm/stats/concert-map/bruce-springsteen-2bd6dccc.html>

Aaron Koblin



<http://www.aaronkoblin.com/work/flightpatterns/>

songkick

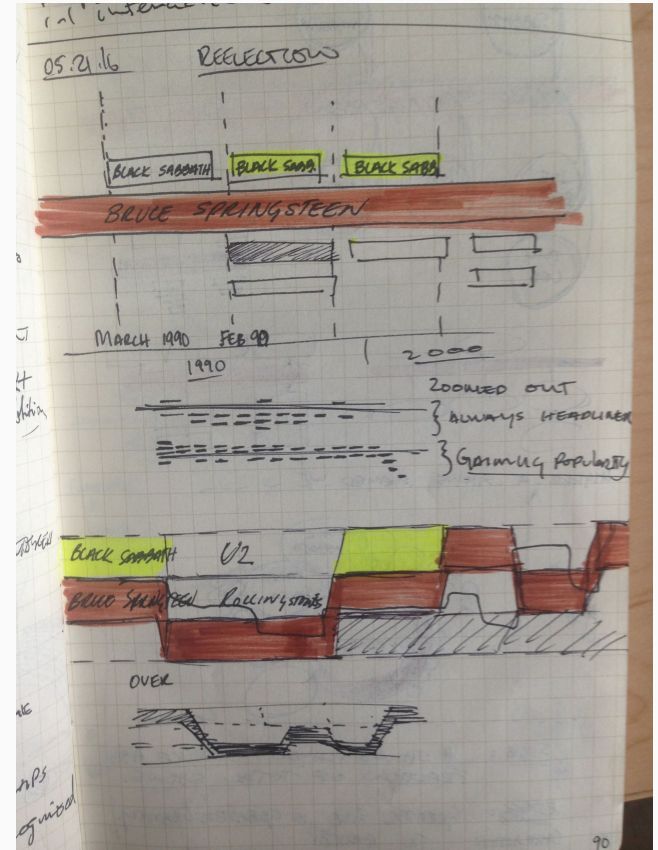
Data workflow thus far:

1. **Scrape Billboard.com** for a list of top artists since 1958.
2. **Build up database** of artist profiles and event histories from Songkick API.
3. **Pre-process and clean** data for specific visualizations.

Metrics so far:

1. Approx. **2000 artists**
2. **Multiple thousand events** since 1958. (Server crashed and wasn't able to get exact count this morning.)
3. **Event data is very detailed.** Has headliners, supporting acts, geodata and venue info for historical events.

Initial Designs





Issues encountered so far:

- Even with a small subset of data, the filtering is slow.
- MongoDB server keeps crashing.
- Still trying to decide on the best encoding to demonstrate interesting trends over time.