

Da-Flow

CS448B Final Project Progress Presentation
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Objectives

Our Question:

How have musical tours by top artists changed over time?

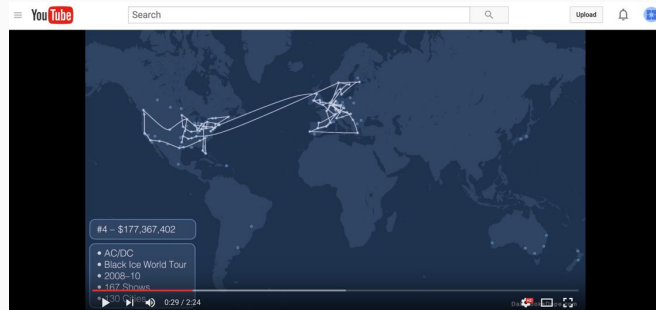
Our Objectives:

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>

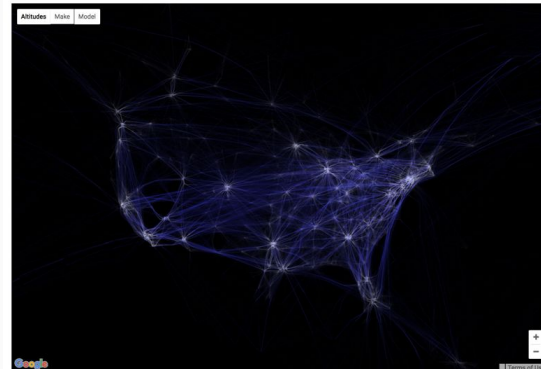


<http://vizzuality.github.io/rollingstonesmap/#/8>



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

Aaron Koblin



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

songkick

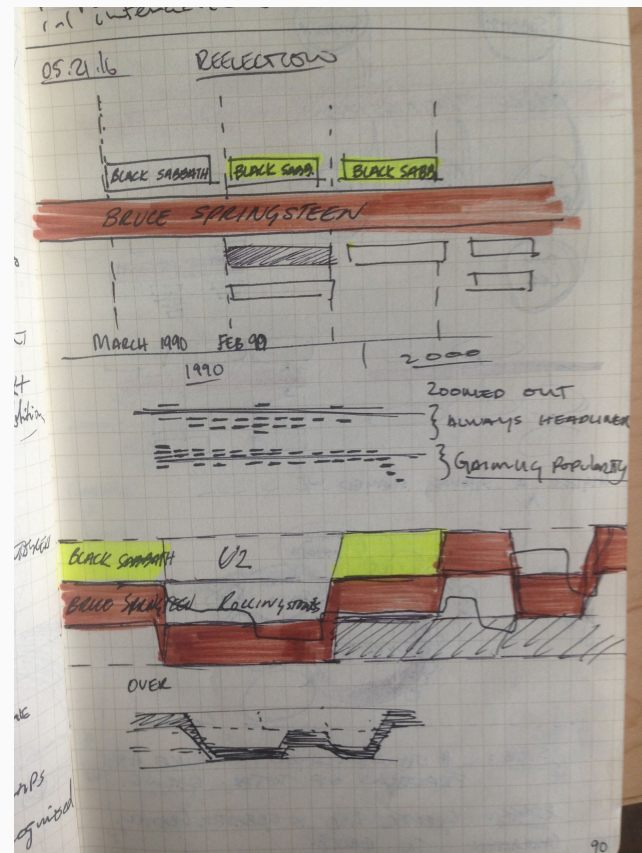
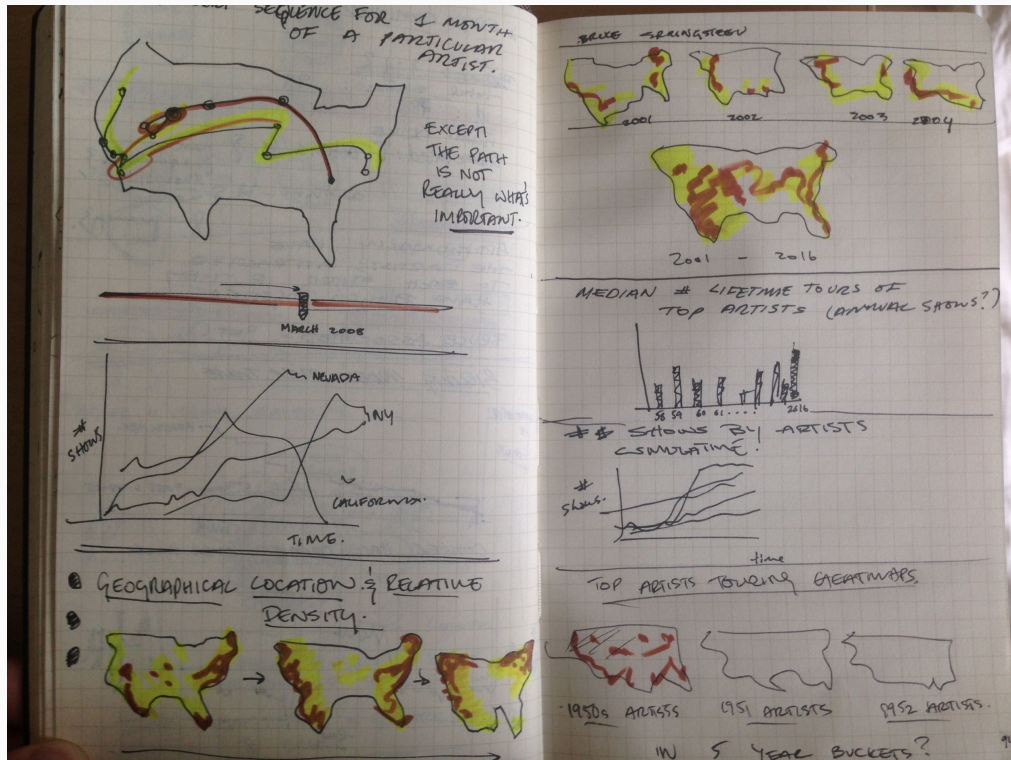
Data workflow thus far:

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:

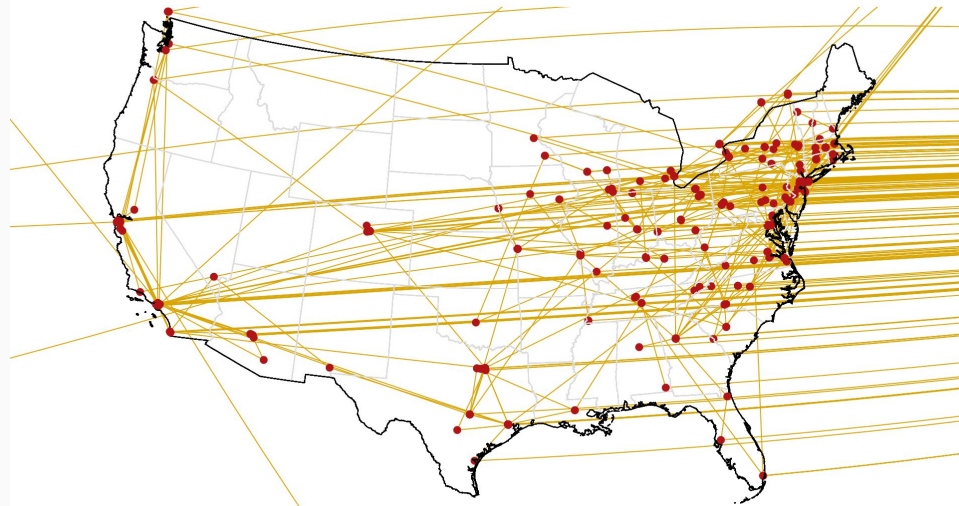
1. Approx. **2000 artists**
2. **Multiple thousand events** since 1958. (Server crashed and wasn't able to get exact count this morning.)
3. **Event data is very detailed.** Has headliners, supporting acts, geodata and venue info for historical events.

Initial Designs



Progress so far...

Bruce Springsteen at James H. Hilton Coliseum (November 16, 1984)



Previous 1960 1970 1980 1990 2000 2010 Next

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.