Music Around the World

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Overview

- *How does the most popular music around the world differ today?*

- Listening to music is a universally loved activity, but the types of music people enjoy varies around the world

- We will use Spotify metrics to determine:
  - Liveliness of songs (tempo, energy, "danceability")
  - Tone of songs (major/minor, cheerful vs. sad)
  - Instrumental composition (wordiness, instrumentality)
 - Lyrical composition (lyrical word usage and meanings)

Goals

- Express differences and diversity in music across the world

- Analyze technical trends in songs across countries

- Create a central map visualization to convey these trends and differences

- Ensure the audience can personally relate to the visualization

Tasks

- Prototype 1 Tasks:
  - Aggregate data (Top 50 songs in each country, playlists created by spotify)
  - Map out a story
  - Pick visualizations / Assign to each person
  - Each person implement visualizations & creates their part of the story
  - Meet to put together
- Prototype 2 Tasks:
  - Edit story/visualization transitions
  - Add extra interactivity
  - Streamline cohesive design
  - Troubleshoot any remaining issues
  - User testing!
- Before Project is due:
  - Make sure code is commented well
  - More user testing
  - Tweaking small things/last minute edits
  - Should be ready to submit!

Sketches
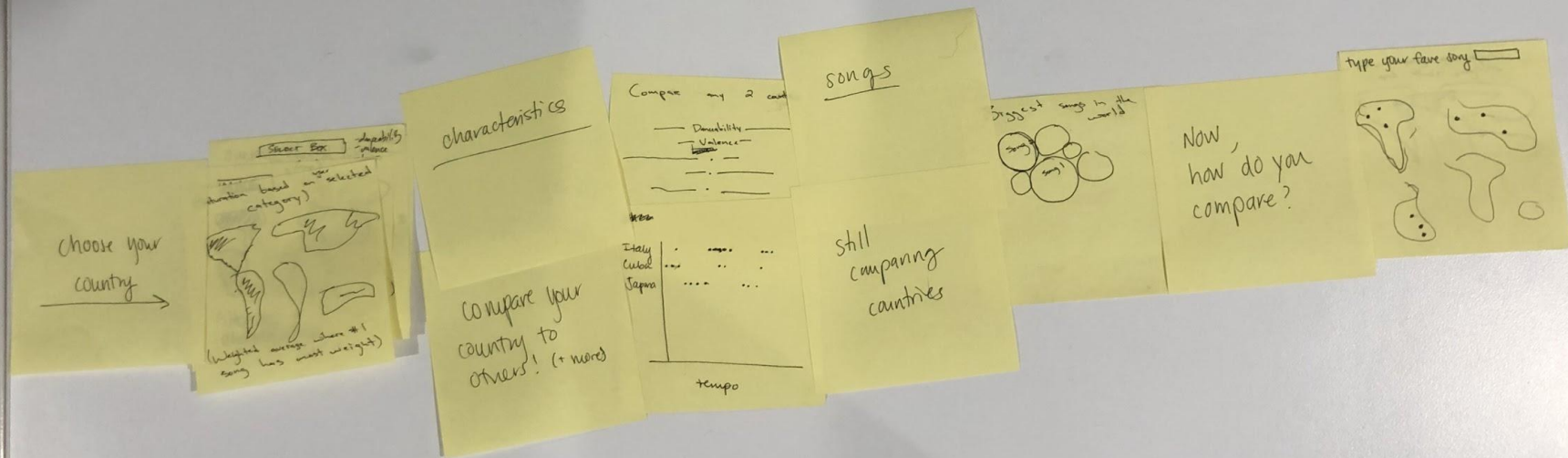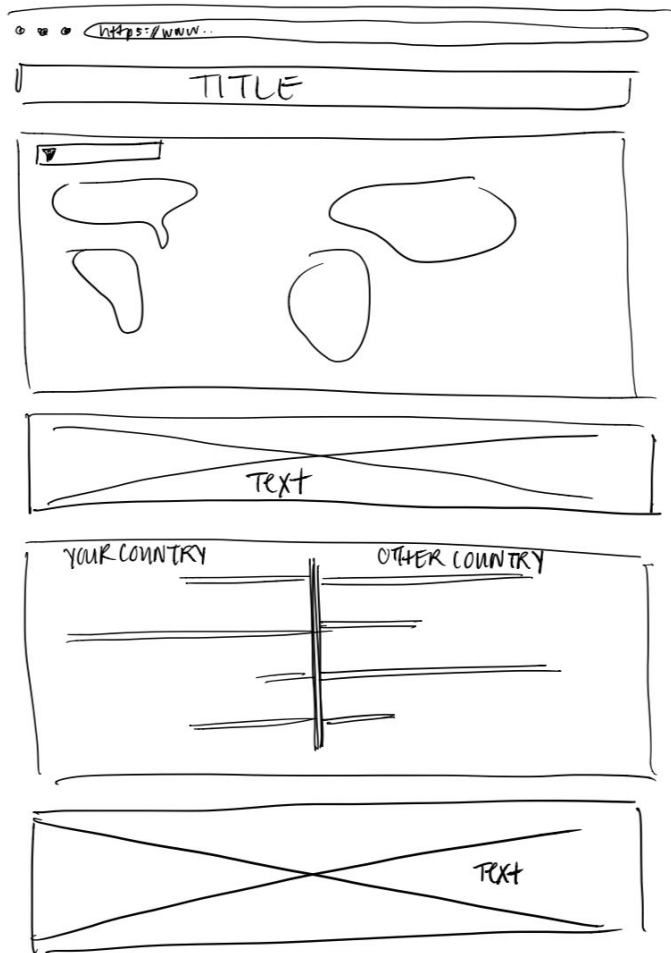
Data

- CSV with 3050 rows (songs)—top 50 songs in each of the 61 countries that have Spotify
- Using the Spotifyr R package to access the Spotify API
- Columns are characteristics for each song, including:
  - Tempo
  - Valence (happiness)
  - Key
  - Release Date
  - Danceability
  - Speechiness
  - And more