Final Project: Collected Sources

Topic 1: Gender Power Shifts and Cityscape Contrasts in "Marriage Stories"

Dataset: [Marriage Story (2019) Screenplay - Script Slug](#)

The 'Marriage Stories' script, as a source of semantic data, provides a comprehensive insight into the movie's narrative development, character interactions, and scene settings over time. This dataset incorporates various elements, including the sequential progression of events, spatial depictions of different locations, and the nuanced dialogues delivered by the principal male and female protagonists. It encompasses both qualitative and quantitative data, with the character dialogues serving as qualitative components and the scene locations and time sequences representing the quantitative aspects. This dataset sheds light on the dynamic shifts in gender power relations conveyed through nuanced dialogue exchanges and the length of script lines of each protagonist in a scene, underscoring the distinct experiences of the male and female characters. Furthermore, it highlights the contrasting urban backdrops of Los Angeles and New York, which significantly influence the movie's overarching themes.

In my final project of script data visualization, I aim to delve deeper into the following inquiries, building upon the dataset's characteristics:

- How does the gender power shift between the principal characters portrayed by Scarlett Johansson and Adam Driver unfold throughout the film? Can we discern this shift by closely examining the length of their respective lines in each scene, alongside an analysis of the semantic nuances conveyed by their dialogues over time?

- How does the proportion of scenes set in the cities of New York and Los Angeles change over the course of the film, and how can we effectively visualize the distinctive characteristics of these two cities through the words used to describe them within the script? Moreover, considering the symbolic representation of power that these cities hold within the film, how accurately can the power shift between the two lead characters be depicted by the changing scene locations? Are there specific correlations between the narrative's spatial shifts and the dynamics of power between the protagonists that can be discerned through an analysis of these scene set locations?

Shirley Wu's project, "[An Interactive Visualization of Every Line in Hamilton](#)," hosted on The Pudding, delves into the intricate lyrics of the musical "Hamilton," aiming to explore, in her own words, "the relationships between the main characters and the recurring phrases associated with those characters."

This data visualization example employs network graphics to effectively illustrate the interconnections between characters. Wu transforms the qualitative data of song lines into circular shapes, adjusting the circle size based on the length of each line and assigning colors based on the singers. Each cluster of circles represents a distinct scene. This method allows for clear scene identification without compromising the comprehension of individual lines within each scene through data aggregation.

Additionally, Wu conducts an insightful analysis of recurring words within the lines. She incorporates these keywords back into the context of the lines using a linear color stacked bar visualization. This strategy serves as an effective means to showcase the frequency of specific words used. Moreover, it enables users to expand each bar to access the original lines, thus providing a deeper understanding of the words within their original contexts.
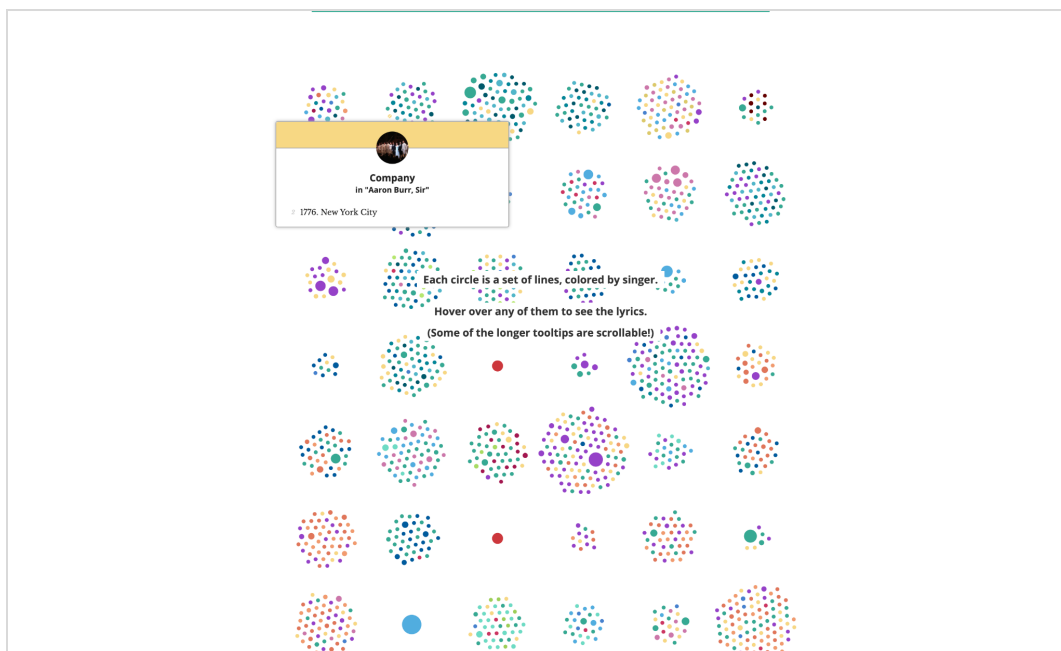
Songs filtered by Angelica and Alexander

→

Here's what the filter looks like.

A highlighted character or conversation means it's been selected. If it's grayed out, it can be clicked on to filter further. As you filter, **characters or conversations will disappear** because they are no longer in the songs left; you can find co-appearances this way 👆

Try playing with the filters.

(Here's a reset just in case.)

↓
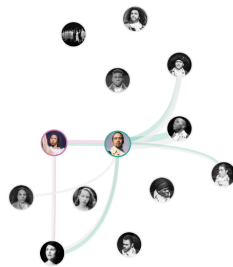
Alexander Hamilton

Helpless

Satisfied

Stay Alive

Non-Stop

Take a Break

The Reynolds Pamphlet

It's Quiet Uptown

The World Was Wide Enough

George Washington
in "Alexander Hamilton"

- Moved in with a cousin, the cousin committed suicide
- Left him with nothin' but ruined pride, something new inside
- A voice saying
- "You gotta fend for yourself."
- He started retreatin' and readin' every treatise on the shelf

---

Curves above lines indicate recurring phrases.

→

Phrases are grouped into themes.

The songs are filtered by two recurring phrases of Contentment: "that would be enough" (*c2*) and "look around at how lucky we are to be alive right now" (*c3*). **Many of the themes are blank** since they don't co-occur with the filtered themes.

↓

Ambition   **Personality**

Contentment   **Miscellaneous**   **Legacy**

Relationship   **Death**

Look Around

Eliza Schuyler is the second daughter of a wealthy New York family, and her upbringing has afforded her an idealistic outlook on life. When she meets Alexander, she lacks Angelica's understanding of Alexander's ambition, and she

The Schuyler Sisters

Stay Alive

Meet Me Inside

That Would be Enough

Non-Stop

Take a Break

Stay Alive (Reprise)

It's Quiet Uptown

Best of Wives and Best of Women

Who Lives, Who Dies, Who Tells Your Story

Topic 2: New York City Image in Films

Dataset:

- [New York Film Locations](#)
- [Filming Locations (Scenes from the City) | NYC Open Data](#) (Updated to 2018)
- [Movies set in New York City - IMDb](#)

The "New York Film Locations List" dataset, available on the OTSO (onthesetofnewyork) website, offers comprehensive information on a thousand films that were filmed in New York City, providing detailed textual descriptions and accompanying images of the specific filming locations. Data collection for this project will involve employing advanced web scraping techniques to extract essential details such as movie titles and corresponding set information, coupled with a geocoding process to obtain precise coordinates for each filming location.

To harness the full potential of the dataset, cross-referencing with the IMDB movie database is crucial. The IMDB database offers a wealth of information about each film, including succinct storyline descriptions, movie genres, review rankings, release years, and comprehensive lists of the film's crew, encompassing directors, scriptwriters, leading actors, and other key production staff members. This combined dataset integration promises to provide a holistic and comprehensive understanding of the cinematic landscape within New York City.

In my final project of film location data visualization, I aim to delve deeper into the following inquiries, building upon the dataset's characteristics:

- Where are the most densely populated film locations in the New York City and have these trends exhibited any significant changes over the years?

- Do film sets located in New York City display stronger correlations with specific movie genres, director preferences, or particular street landscapes?

Daniel Epstein's project, "[Filming Locations around New York City](#)", effectively demonstrates the visualization of film location data sourced from NYC Open Data, utilizing Leaflet and Shiny to develop an accessible dashboard for a broader audience. This interactive platform allows users to explore film locations on map and access concise film introductions by clicking and linking to IMDB. Notably, Epstein's project showcases the successful integration of filter features based on years and IMDB scores, alongside interactive elements that enable users to navigate the map at different scales.

Drawing inspiration from Epstein's work, further analysis focusing on the correlation between film locations and filming crews, as well as the contextual relationship with the surrounding streetscape, has the potential to enrich the overall visualization.