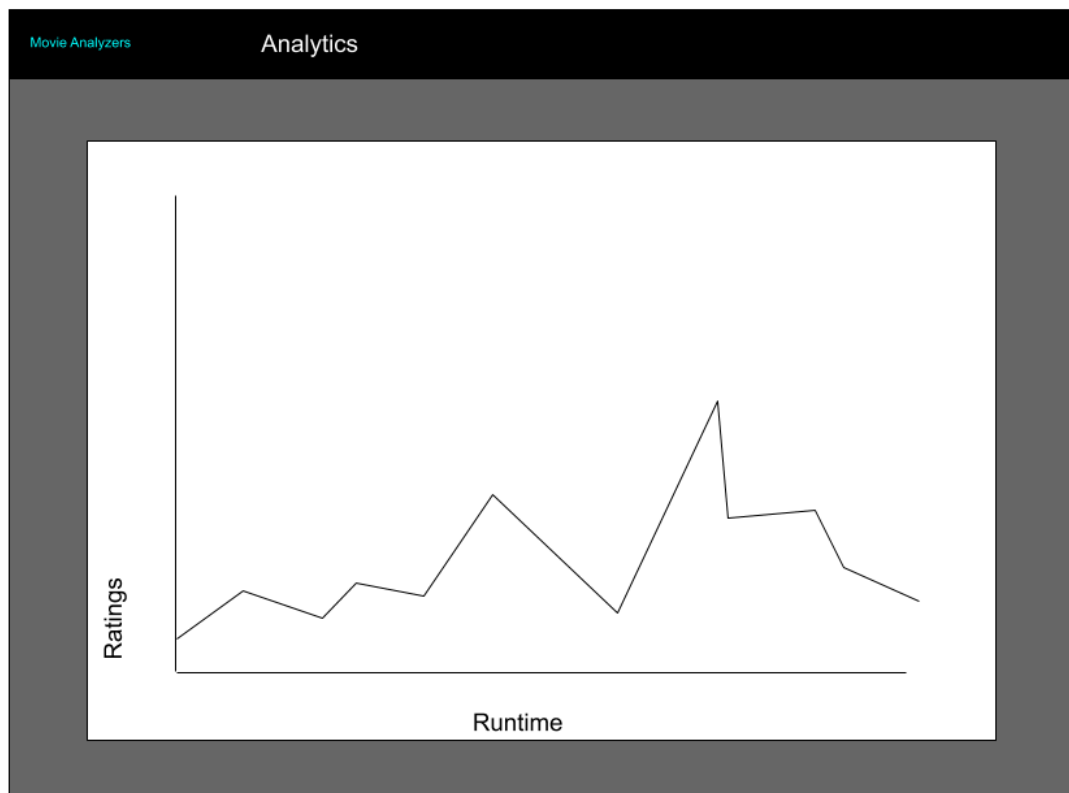


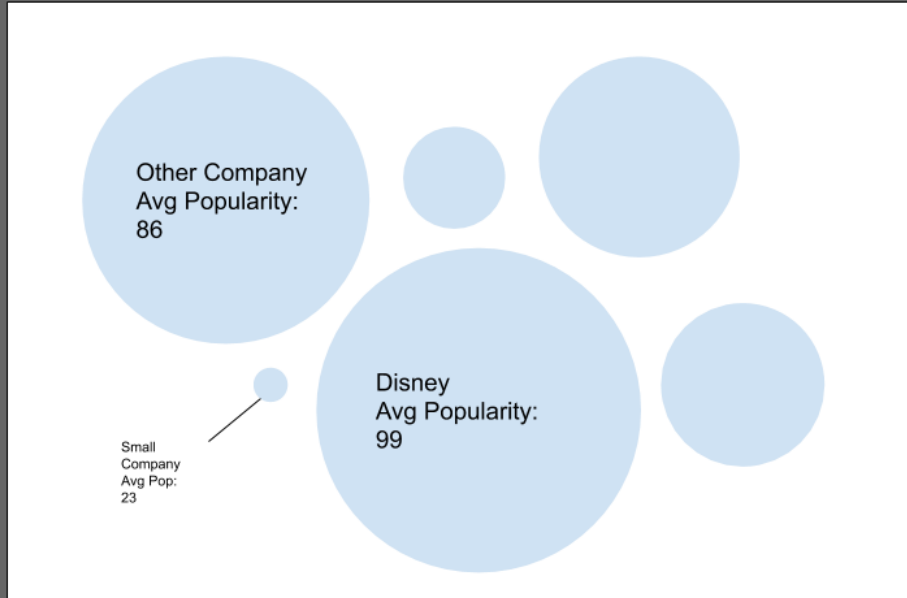
Team: THE MOVIE ANALYZERS  
Sprint-4

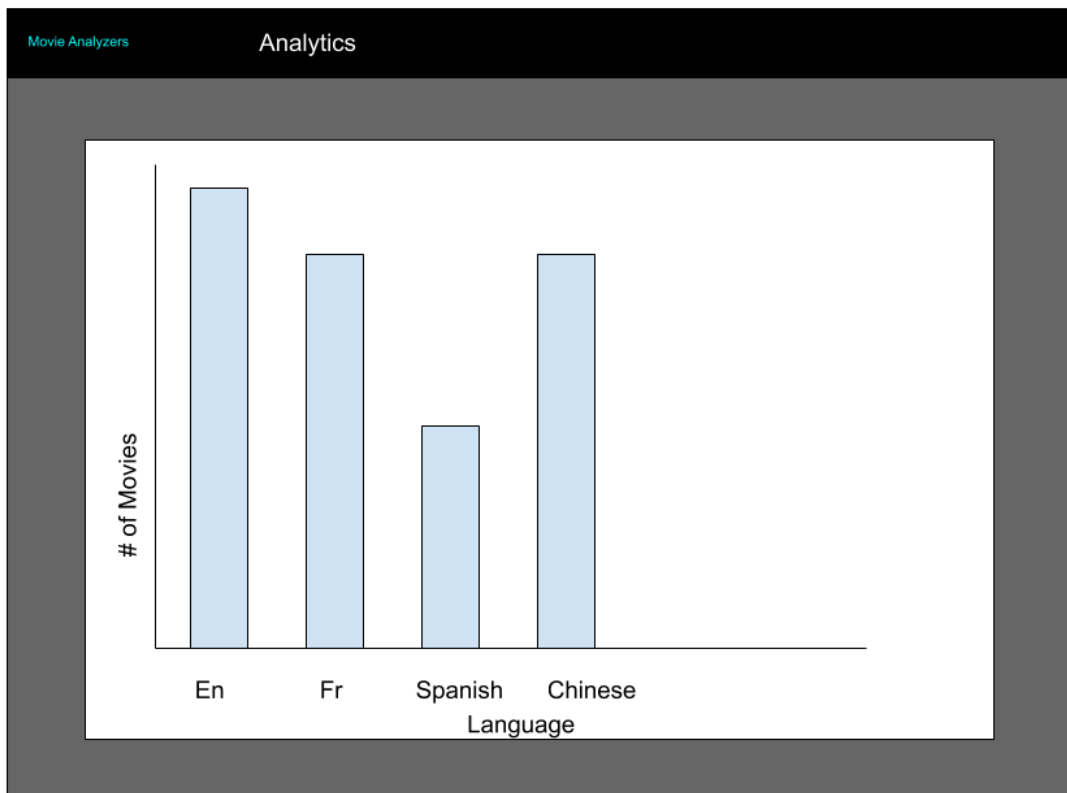
Features to Implement by Next Sprint:

- Movie Data:  
(tmdb\_5000\_movies.csv, tmdb\_5000\_credits.csv)
  - Feature 1: as a user, I want to see how runtime affects movie ratings
  - Feature 2: as a user, I want to see which production companies have more popular movies on average
  - Feature 3: as a user, I want to see which languages receive the most amount of dubbing (translation)

GUI Design:







#### User Test Cases:

- Feature 1 Test Cases: as a user, I want to see how runtime affects movie ratings
  - As a user, I can view a line graph showcasing ratings vs runtime.
    - Correct Output: Site should show a line graph with popularity as the y axis and runtime as the x axis
- Feature 2 Test Cases: as a user, I want to see which production companies have more popular movies on average
  - As a user, I can view a bubble chart to see popular production companies
    - Correct Output: Site should show a bubble chart that makes the more popular companies bigger circles, and the opposite for less popular companies
- Feature 3 Test Cases: as a user, I want to see which languages receive the most amount of dubbing (translation)
  - As a user, I can see the most common languages movies get translated to
    - Correct Output: Site will show a bar graph corresponding to the amount of movies originally produced in the language and translated to that language

### Task board:

1	Name	User Story	Acceptance Criteria
2	Implement selective searching	As a user, I want to be able to search the database for only data that matches what I entered within a specific field. Such as popularity, ID, title, etc.	1. A user can specify what field of data they would like to search for 2. Their search when entered will only return results with matches in that specific category
3	Include a graphing library	As a user, when I search for an analytic, I want the data to be represented in an appropriate graph.	1. A library, such as plotly for node.js, can be used to properly display line graphs, bar graphs, dot plots, etc to fit the purposes of our analytics
4	Implement a sorting function	As a user, I would like analytics to be represented cleanly and in a way that is easy to interpret	1. Data can be sorted by any numerical values it has if it needs to be for the purposes of analytics
5	Analytic 1: Budget vs Popularity	As a user, I want to know if the budget for a movie has any effect on its popularity among viewers	1. A query for Budget vs. Popularity returns a graph comparing the budget of all entries in the dataset against the corresponding popularity
6	Analytic 2: Budget vs Revenue	As a user, I want to know if the budget for a movie has any effect on the revenue it generates	1. A query for Budget vs. Revenue returns a graph comparing the budget of all entries in the dataset against their corresponding revenue
7	Analytic 3: Production Company vs. Popularity	As a user, I want to know if certain production companies have more popular movies on average	1. A query for Production Company vs. Popularity returns a chart of some kind showing production companies as well as the average popularity of all movies in the dataset produced by that company