ONCE UPON A VIS

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Domain Problem

Despite the availability of e-readers such as Kindles, reading has become less and less common. One way this shift can be reversed is by giving people resources to find new books. The general area of interest for our project is the ratings and rankings of books, and how they compare to one another. We intend to address the comparison of popular books and allow book readers to get a sense of similarities and differences between books. This will potentially give them new books to read based on ones they have enjoyed in the past. We believe this visualization will address an important topic as reading improves one's focus,memory, empathy, and communication skills.

Tasks

- Understand which genre(s) of books tend to receive the highest ratings (most popular)
- Compare user ratings between books
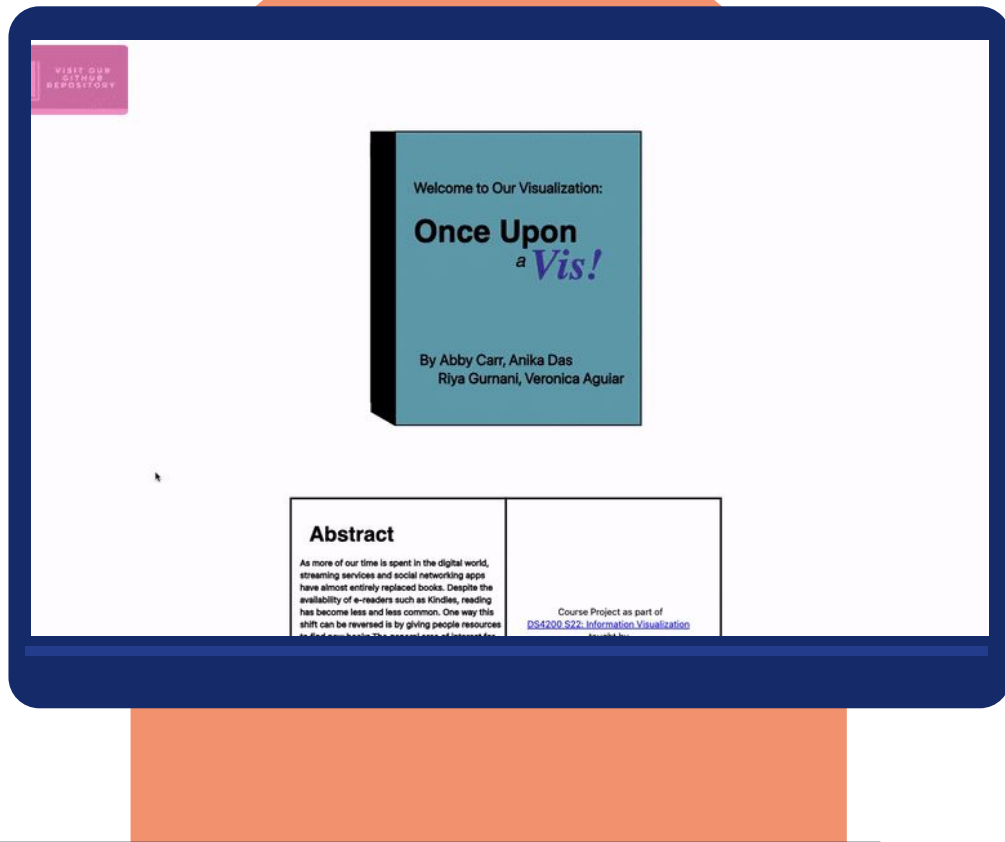- View and compare the total sales for books

The Data

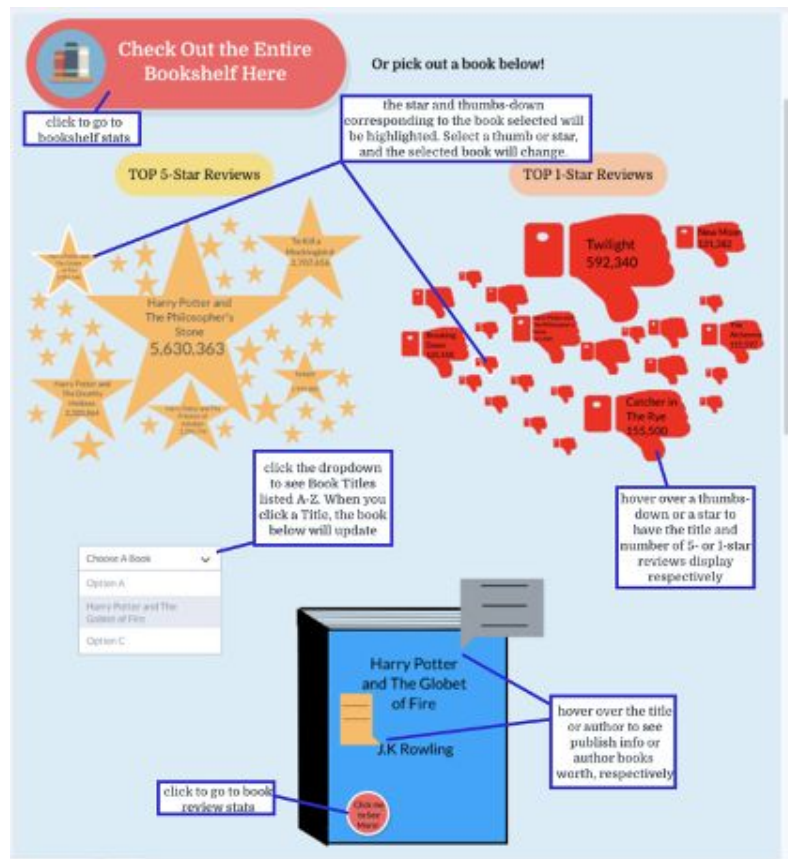## 87
BOOKS

+18,400
REVIEWS

Accomplished our goal of getting sentiment data for books, even though it wasn't something that made it into our D3 visualizations.

Found new ways to compare books and express the distribution of reviews instead of only an overall rating
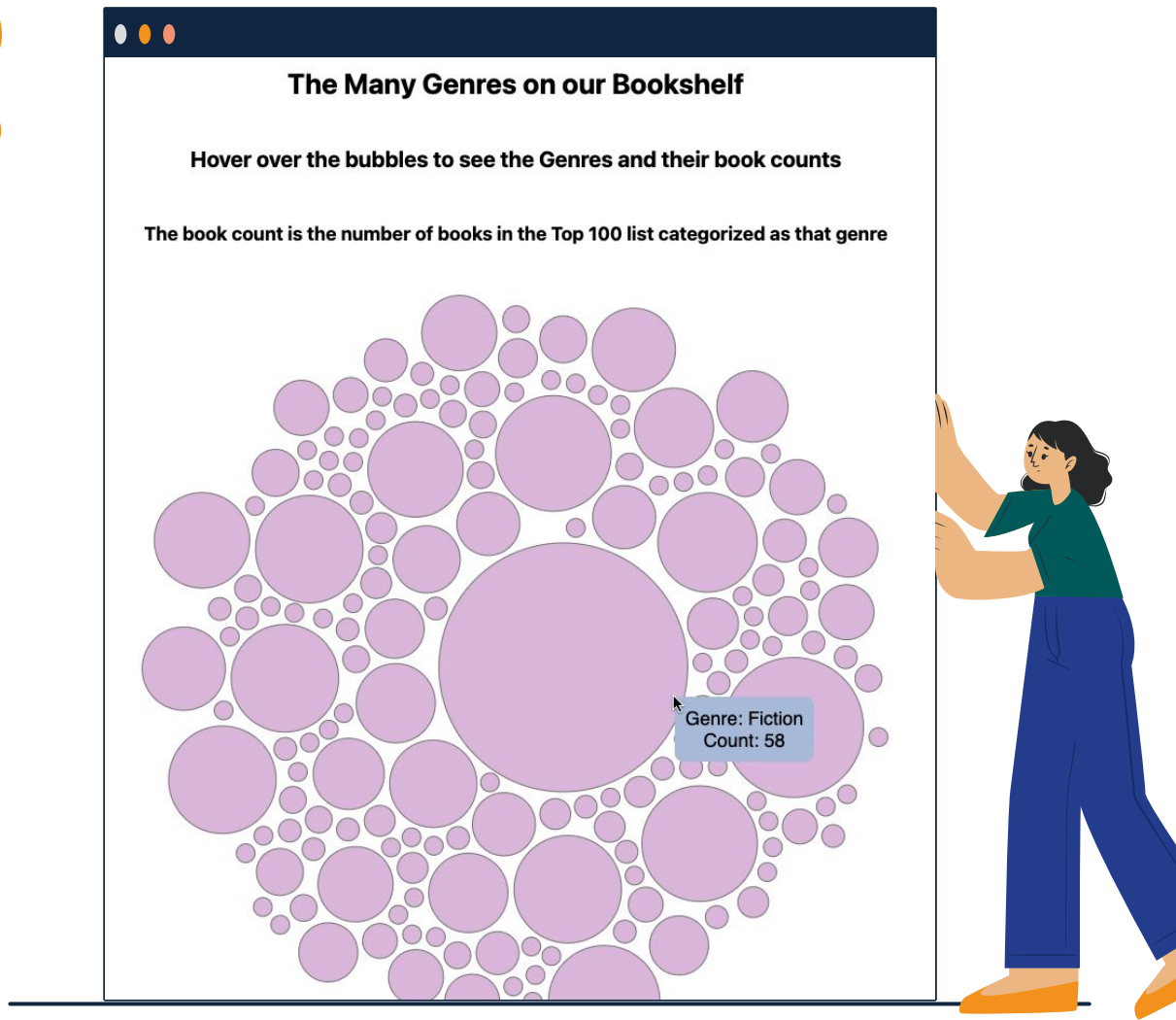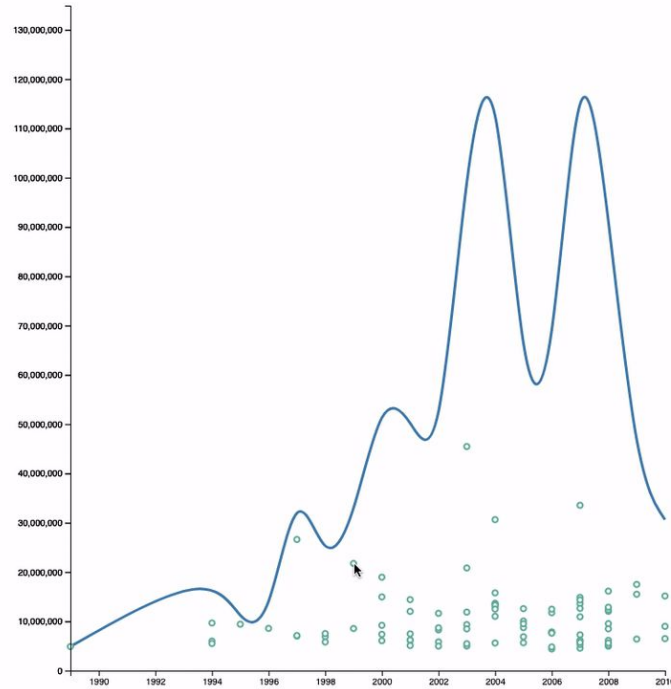
Design Process

Genre Bubble Chart

- A peek into the bookshelf for 'top books'

- Had to Collect and One-Hot Encode Genres before we decided to use count
- Large diversity in what was considered a (Sub)Genre

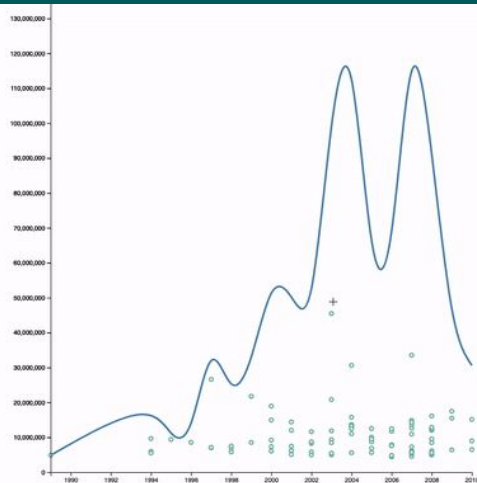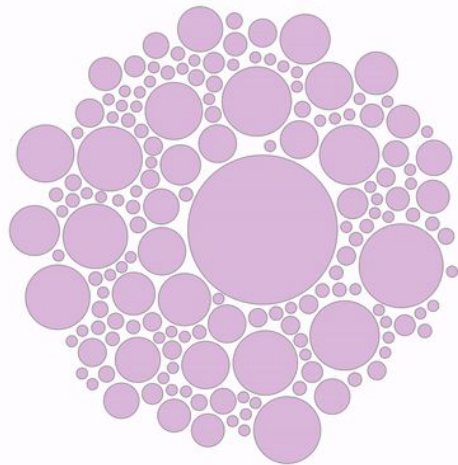- On-Demand Count information for each Genre

The Many Genres on our Bookshelf

Hover over the bubbles to see the Genres and their book counts

The book count is the number of books in the Top 100 list categorized as that genre

Genre: Fiction
Count: 58

Book: Harry Potter and the Chamber of Secrets
Total Sales: $21,740,189.45

Lifetime Sales Line Graph and Book Points

- Line Graph: total sales ($) of all books in our 'bookshelf' that were published in a given year
- Points: Each book is a point at the year it was published and at the total sales the book has earned

- On-Demand sales information for each book
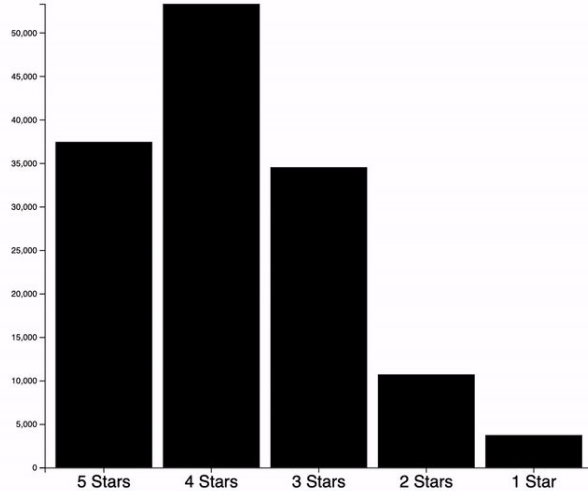
Brushing and Linking
Book Sales & Genres

The book count is the number of books in the Top 100 list categorized as that genre
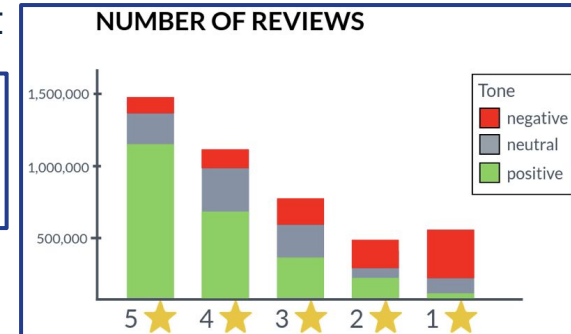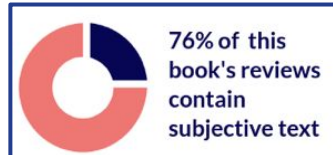
Ratings Bar Graph

- Dynamic Changes to the y-axis and bars by book
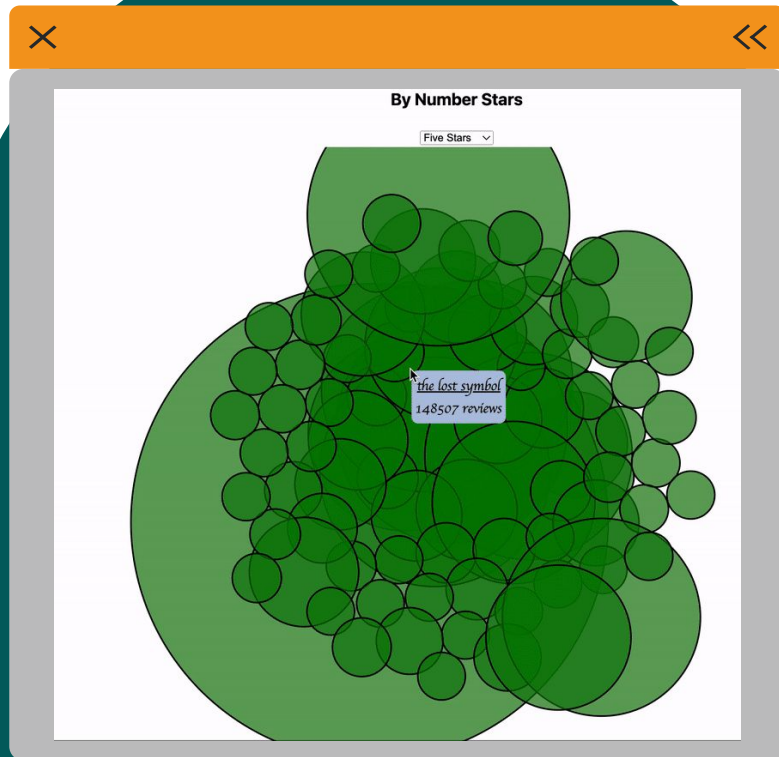- Linking the dropdown to the chart

Future Work

- We have the subjective ratings information, but didn't have the time to include it

Star Rating Bubble Graph

- Interesting Concept: Other ways of visualizing rating comparisons

- Future Work: Different Scaling and a more natural switch between 'star' ratings
- Gave us a good look at what more we could develop given the progress we have made so far

Thank You!

Q&A