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CS 257

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Bombastic Book Besties: An Analysis of New York Times Best Sellers since 1931

One sentence summary: Our website will allow book enthusiasts to find information about the NYT best-selling books and authors over the past century, and hopefully provide inspiration for their next literary experience.

Data

Dataset: NYT Hardcover Fiction Bestsellers since 1931

Possible sub dataset: Extra data about titles (NYT Hardcover Fiction Bestsellers: Titles) All metadata is the exact same as above.

Dataset Records Sheet - CS 257

Questions

1. What were the best sellers during a given year?
    a. Year, title field
2. Does [author] have a book on the bestseller list and if so, what book(s)?
    a. Author, title field
3. What author has the most books on the bestseller list?
    a. Author, title field
4. Is a given book on the bestseller list?
    a. Title field
5. What book stayed at number one for the longest?
    a. Week, title field
6. How many weeks did [book] stay at [position] in the list?
    a. Title field
    b. Or total_weeks field from titles data

User Roles

User Role	**Goal**	**Question**
Bookworm	To find more books to read to expand their literary	3, 5

	knowledge base.	
Literary critic	To find out more about an author's past bestsellers to make a profile on the author. This could be used as preparatory research for an article about an author's new book.	1, 2, 4
English teacher	To see what authors were popular in America at certain times to improve my syllabus so I can create the best learning experience for my students.	1, 3
Historian	To see what books were popular with editors during different times to get a better impression of the cultural landscape (Zeitgeist) during that time	1, 6

Team Contract

Goals
We have many goals, both technical and personal. We want to learn how to make an interactive, user-centered website and the frameworks and languages involved. We want to produce a useful and visually-pleasing final product that we are proud of. We want this project to be something we could put on our résumés. Finally, we want to learn more about working in a team to create software, and how to work with a goal-oriented mindset.

Strengths
Arisha has previous experience with GitHub, HTML/CSS and JavaScript, and can answer technical questions from other team members regarding this. She can also efficiently do work with these technical tools. Arisha is also efficient when searching for answers, and can be the go-to person if we need to use Google for help.

Selma has previous GitHub experience and has done data analysis with csv-files before, and can share useful methods and experiences from that. She is also very motivated to learn the web

design process before her software development internship, and will work hard to ensure that the website satisfies our goals. She can therefore take responsibility for ensuring that we have a good product along the entire development process.

Sophie is very good at not giving up when encountering bugs, and knowing when to take breaks to ensure an efficient process. She can therefore guide the team through hardship and keep up the team spirit. She has some experience with both GitHub and some software design, and she is a fast typer who is good at making structured and organized code. She can therefore ensure that our team makes readable and well-commented code.

Celia has already built a website in high school, so she is experienced with HTML/CSS, SQL and JavaScript, as well as having familiarity with the process of designing this type of product. She is also organized and likes to start early on projects, and can therefore ensure that our group sticks to our timeline.

Communication

Group communication will be frequent and respectful. The two main modes of communication will be over iMessage and during class time. If a team member is not communicating we can talk to them during class to figure out why they have not been communicating. We will use Google Documents to share documents. We will use GitHub for code sharing and submissions. If conflict arises, team members will sit down all together and voice their concerns. All team members will try to use "I" statements when voicing their side to minimize contention. All team members will listen to other team members and be open to working toward a solution to the conflict. This ensures a respectful environment which we define as a psychologically safe place where everyone is accepted for who they are and everyone's time is appreciated. To ensure respectful communication we have decided on this definition of respect and if someone does not communicate respectfully there will be a group conversation.

Decisions will be made democratically with input from all team members. Some decisions will involve a brainstorming session with input from all team members before a majority rules vote to make the decision. To ensure participation, we will methodically ask each person on the team for input. Other decisions, such as division of labor, will be discussed within the group and we will try to come to a consensus. While individual team members may not be content with decisions, we want to ensure there are no major objections to the decisions.

Division of Labor

To divide the work amongst ourselves, we will list out all the tasks and divide them equally. We will make sure the tasks divided have a comparable level of difficulty. This will ensure everybody plays a part. We also generally plan on agreeing on tasks during the first meeting before each deliverable for satisfactory preparation. Hence, all team members are expected to

complete their assigned tasks on time and in an efficient manner. However, if someone does not follow contract/deliver expectations, we assume the best but also talk to the person to set expectations through individual intervention. We will elect a group representative for this. If the person falls short again without any prior communication, we would then ask Amy to intervene as the last resort. In the extreme case that somebody leaves the project during the term, we will divide the work among the remaining members based on how much time the remaining members can allocate.

Technical Details

We will meet at least once for two hours before each team deliverable. If this is not sufficient time, we will schedule another meeting. 4th Libe is our standard meeting spot, but this is flexible. Though these are subject to change as our project develops, some possible roles to take on are as follows:

- Selma: GitHub Administrator
- Sophie: Facilitate Discussions
- Arisha: Take Notes
- Celia: Set Agendas.

Additionally, we will use iMessage, Google suite, and GitHub as technical support for our project.