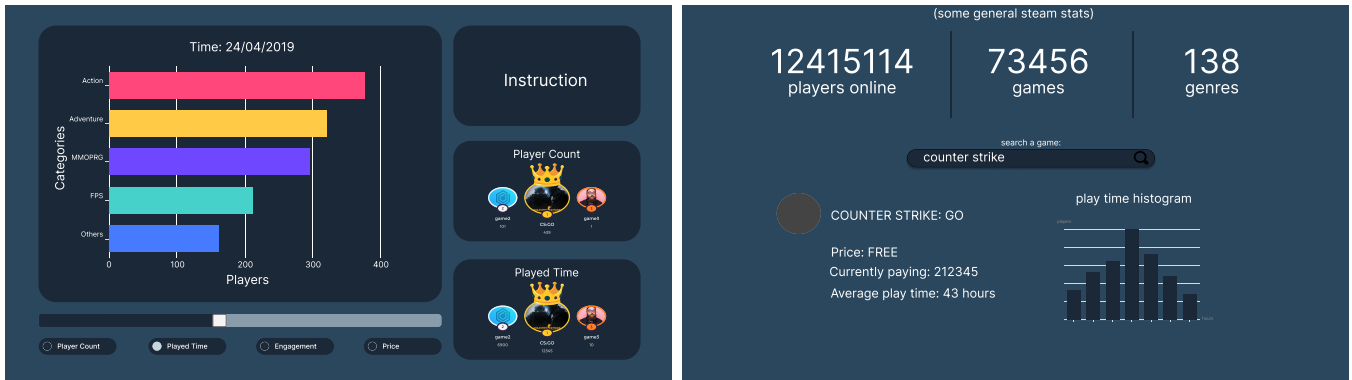


Players engagement with respect to game genres, on Steam public data - Milestone 2

Team "no preference"
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1 Sketches



The above sketches were created on Figma. Our main feature would be an interactive time-series bar chart and leaderboards for Steam game genres through different metrics about player engagement. Additional features would include pop-ups when hovering or clicking elements of the bar chart, additional statistics on Steam, and on specific games that the user can search for, or ask for a random one.

2 Tools

We will use **React** as the backbone of the website. Both the bar chart and leaderboards will be created using **D3.js**. For a more clear and consistent layout, we will also use **Material UI**.

2.1 Relevant lectures

Besides the initial lectures on **D3.js**, we will need the bar chart guidelines from lecture 7 "Do's and don'ts", as well as lecture 11, to show clear, detailed, and accurate labels and scales for the bar chart, as well as lecture 6 on marks and channels. We are inspired by attribute reduction from lecture 5 "Interactions, views", where we only show the best game in specific metrics. We can also use lecture 9 on text visualization, to create a **tag cloud** of game genres, lecture 11 on parallel coordinates, and lecture 12 on storytelling to try to gamify the website.

3 Implementation goals

3.1 Minimal viable product

Three important features will be implemented for the MVP:

- An instruction box that explains how to interact with the website
- An interactive bar chart with sliders that allow users to navigate through different metrics (player count, play time) and time
- Leaderboards that display the best game in different metrics through time

3.2 Extra ideas

Here are some additional features we want to try to implement:

- Clickable bar chart that triggers individual pop-ups for displaying the best game in a different genre with further detailed statistics
- General real-time Steam statistics
- Game menu header section with gamified features (TBD)
- Parallel coordinates chart for hardware specs
- Clickable tag cloud of game genres

4 Website

Our website is currently running using the **gh-pages** node module on:

<https://com-480-data-visualization.github.io/project-2023-no-preference/>