

Data Collection Report

Programming Pioneers: Easy Plots

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Current Data Interaction Process

The user experience in interacting with our platform, particularly regarding the login process and data input for plotting, has been analyzed to evaluate its efficiency and user friendliness. Our current system requires:

- **Login Process:** New users must complete 6 clicks to log into the website, while returning users complete this process in 3 clicks.
- **Data Upload and Input:**
 - Uploading an existing .csv file involves 3 clicks.
- **Time Metrics:**
 - New users take approximately 30 seconds to upload a .csv file.
 - Returning users can upload a .csv file in about 20 seconds.

These figures provide a baseline for our current system's performance in facilitating user interaction, specifically in the data upload and plotting preparation phases.

Identified Issues, Proposed Enhancements, and Implemented Enhancements

In our pursuit of perfection, we identified and effectively addressed several key areas for improvement. Although our initial plan included implementing persistent data entry, we encountered constraints that prevented its timely integration:

Proposed Solutions:

1. **Persistent Data Entry:** Due to time limitations, we have deferred the implementation of this feature. While we recognize its potential to enhance user experience by retaining input data in case of errors, it remains a priority for future updates.

Implemented Enhancements:

1. **Profile-Based Data Storage:** We have introduced profile-based data storage functionality. Users now have the convenience of saving their data directly to their profiles. This advancement enables returning users to bypass the upload stage, as their previously uploaded data is readily accessible. This feature dramatically reduces both the time and interactions required to initiate the plotting process, fostering a remarkably efficient and user-friendly platform.

Expected Outcomes

Although our journey with this project concludes with Demo 2, we are content with the progress made and the outcomes achieved.

Meeting Goals:

While we didn't accomplish every aspect of our initial plan, we are proud to say that we've met our primary objectives. Our platform stands as a testament to our dedication and hard work.

Acknowledging Unfinished Business:

We must acknowledge that some features, such as the desired reduction in clicks and the implementation of persistent data entry, remain on our to-do list. However, we view these as opportunities for future endeavors rather than shortcomings.

Reflecting on Our Journey:

Our commitment to excellence has been unwavering throughout this project. Although we haven't reached perfection, we've learned valuable lessons and gained insights that will guide us in future endeavors.

Conclusion

As we conclude this chapter, we do so with gratitude for the opportunity to work on this project. Our platform, while not exactly our intended final vision, represents our dedication to creating a user-friendly experience. We are confident that our continued commitment to improvement will lead to even greater success in the future.