# Project Reflection

## Project Link

<https://github.com/eikaykhine12/Assignment-3-A-Baby-Project.git>

1. **Are you proud of your project? Why or why not?**

I am proud of my project because it demonstrates a strong analysis of social media engagement, incorporating meaningful insights through data-driven approaches. The addition of username and follower count data has made the dataset more valuable for understanding engagement trends. By merging in Assignment 5, I was able to enhance my dataset with richer contextual information, which ultimately strengthened my analysis.

1. **What did you learn about the topic you chose?**

Through this project, I gained a deeper understanding of the factors influencing social media engagement. I learned how different post types, hashtags, and sentiment scores contribute to audience interaction. Additionally, analyzing how follower count impacts engagement provided new insights into content performance across different user groups. The process of merging username and follower count data also highlighted the importance of contextual information when evaluating social media metrics.

1. **What did you learn about working with data in git?**

Working with data in Git presented unique challenges, particularly in managing large datasets and deciding whether to include them in version control. I learned the importance of using .gitignore to prevent unnecessary file tracking and ensure repository efficiency. Additionally, branching strategies were crucial in maintaining an organized workflow while integrating feedback and updates. Creating a new branch before making changes allowed me to experiment without affecting the main project, and merging these changes helped keep a structured development history.

1. **Did you choose to include your work in Assignment 3? Why or why not?**

Yes, I chose to include my work from Assignment 3 because it played a crucial role in enhancing my dataset. Assignment 3 was where I merged username and follower count data, which provided a more comprehensive view of engagement patterns. Including this work allowed for a richer analysis and improved the project’s ability to generate meaningful insights into social media trends.

1. **What were your main challenges?**

I had some problems with putting jupyter notebook in the github, where I gave my explanations in the notebook, but it did not show up on the github. Merging the two datasets was also challenging due to inconsistencies in data format. Cleaning and standardizing were required to accurately link to correct user ID. Using Git branches to experiment with changes before merging into the main project helped maintain a clean workflow but required careful conflict resolution.

Overall, this project was a valuable learning experience in both social media analytics and data management using Git. It reinforced the importance of structured version control, thoughtful dataset enhancement, and strategic workflow planning.