

INDIVIDUALIZED EXPERIENCE REPORT – AISC2006-1-IER5

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Our project was based on the prediction of who would be the next president of the US in the 2024 elections. Since this was focused on the application of machine learning techniques. My prior knowledge from Semester 1 courses and personal learning helped me navigate through the project we chose effectively. My leadership experience made me excel in project management of the subgroup assigned me.

I was the team leader of the data acquisition and preprocessing subgroup responsible for assigning tasks to team members, monitoring their progress, collecting data and processing them for modeling and visualization. I also conducted code reviews and provided guidance when needed.

I learned web scraping techniques from scratch, applied dynamic data preprocessing on the data we acquired, reviewed and amended the EDA and feature engineering and performed collaborative project management of my peers. I learned to use libraries such as BeautifulSoup and Selenium.

After reflecting on my experience during this project, I have come to realize that I need to further enhance my data scraping skills on dynamic websites, team collaboration and leadership. Furthermore, I must enhance my time management skills in all areas and teach others to do same.

I would encourage my team to brainstorm effectively to choose a suitable project that will be challenging and yet doable in the future. We faced challenges when I decided to keep quiet. I faced challenges when the project proposer could not really direct the project in a way, he initially understood it. I was challenged during the data acquisition phase, and this wasted our time.

My team members appreciate my contribution because all the tasks I assigned them were detailed.

The most rewarding parts of the class was the ground rules established during class presentations and the least rewarding parts were moments when people were hesitant to present and inaudible.

My most surprising discovery was that not all great minds make the best team. My team really struggled during our Step 2 project. I was overwhelmed when I realized the stagnation in our progress.

The purpose of learning is application. Therefore, everything I have learned so far has equipped me towards my future career pursuit. This course has stimulated my creative thinking.

During my tenure as the subgroup leader, I was treated fairly by my team members because they executed their fairly distributed tasks as expected and I was available to assist them when they needed me. My contributions were fully considered by my team and lecturer. This even landed our team a bonus mark.