Assignment task 4: Reflection & Portfolio

Throughout the course, it was mainly aiming to strive for achieving high standard of teamwork to cooperate on the research and practical aspects. This involved facing various challenging events, both as individuals and as a team, and finding resolutions through communication among team members and seeking guidance from the tutor. The emphasis on teamwork resonated with me, as I firmly believe that collaborative efforts lead to more comprehensive and successful outcomes. However, there were instances where individual challenges arose, requiring support from the team and the tutor to overcome them. The challenges encountered as individuals or as a team stemmed from various factors, such as task confusion or the initial difficulty in starting assignments, especially assignment 1. These challenges were addressed through effective communication and the willingness of team members to help and support one another. Seeking guidance from the tutor proved to be valuable, as they were able to offer clarification and guidance, ultimately helping us complete the tasks successfully.

To improve the overall teamwork experience, it would be beneficial to foster an environment that encourages open communication and collaboration. This can be achieved by weekly meetings, encouraging team members to voice their concerns or difficulties, and establishing a support system where members can rely on one another for guidance and assistance. Additionally, providing clearer instructions and guidelines for complex tasks can help alleviate confusion and enable individuals to start the assignments with greater confidence. Furthermore, as some team members attended in-person classes, it provided an opportunity for face-to-face interactions and discussions, which further enhanced our understanding of the tasks and allowed us to gain deeper insights into the projects. Going forward, it would be valuable to explore ways to integrate both in-person and online collaboration to ensure that all team members have equal opportunities for participation and engagement.

In summary, the course prioritized the development of strong teamwork skills for effective collaboration in research and practical aspects. While facing individual and team challenges, the emphasis on communication, seeking guidance from the tutor, and the support of team members were crucial in overcoming these hurdles. By promoting open communication, providing clearer instructions, and integrating different modes of collaboration, we can further enhance the teamwork experience and ultimately achieve greater success in our projects.

The weekly project work proved to be beneficial in providing initial ideas and guidance for starting the assignment projects. Each week's tasks served as examples of the later assignment tasks, offering general templates or guidance to follow. The purpose of these tasks was to break down the larger assignments into smaller parts, allowing us to focus on specific aspects such as detailing strategies, methodologies, or techniques to be utilized. I found the weekly project work to be instrumental in building a solid foundation for the assignment projects. The tasks helped shape my understanding of the overall project and provided a clear direction for approaching the assignments. However, I also realized that some crucial elements were not extensively covered in these weekly tasks. While the weekly project work touched upon important aspects of the assignments, such as outlining strategies and methodologies, it lacked further expansion on certain critical components. For instance, topics like how to write a good literature review, identify research gaps, verify, and validate research, and craft a strong discussion were not extensively addressed in the weekly tasks.

To address these gaps and enhance the overall quality of the assignments, it would be beneficial to incorporate additional guidance and resources specifically focused on these crucial elements. This could include providing examples and templates for writing literature reviews, highlighting strategies to identify and address research gaps, discussing methods for research verification and validation, and

offering guidance on crafting a robust and insightful discussion. Additionally, seeking clarification from the tutor or engaging in discussions with classmates could help in obtaining further insights and understanding of these critical components. By actively seeking additional resources and clarifying any uncertainties, we can ensure that our assignment work is well-rounded and comprehensive, covering all the necessary aspects.

During the literature review phase of the project, I encountered challenges due to my lack of experience in properly reviewing academic papers. However, I managed to overcome these challenges by adopting a method of splitting the review into different parts and reviewing them separately. This approach significantly improved the efficiency of my task and proved helpful in completing assignment 1, the project proposal, successfully. Initially, I felt overwhelmed by the task of reviewing the literature, as I was not familiar with the proper process. However, learning the method of dividing the review into sections provided a structured approach and reduced the time and effort required to complete the task. This helped alleviate my initial frustration and enabled me to make progress in the literature review.

The decision to split the review into different parts proved effective in managing the task efficiently. By focusing on specific sections, I could dedicate more attention and effort to each part, ensuring a more thorough and comprehensive review. This approach also allowed me to gain a better understanding of the literature within the assigned sections. While constructing the methodology section, I initially struggled with the clarity of the instructions. To overcome this, I attempted to emulate the structure of other groups' work through their workshop presentations. However, as we progressed, we realized that the methodology presented by those groups was more of a repetition of the project plan. To ensure a unique and appropriate methodology for our project, we decided to emphasize each model individually, expanding on their functionality and advantages. However, this approach resulted in a lack of connection between the models.

To improve this, I recognize the need for effective communication and clarification from the tutor. It is essential to confirm the correct interpretation of the task's intended goals, particularly when the structure or instructions are unclear. By seeking guidance and confirmation, I can ensure that my understanding aligns with the intended objectives, preventing any deviations or misconceptions.

In summary, by using a segmented review approach and adopting an individualized methodology, I was able to overcome the challenges faced during the literature review phase. The experience has taught me the importance of effective communication with the tutor to ensure clarity and understanding of the task's objectives. By learning from these experiences, I aim to improve the construction of the methodology section in future projects, ensuring a more comprehensive and well-connected approach.

During the project, our work was divided into two groups: the experiments group and the discussion group. This separation led to a challenge in gaining a comprehensive understanding of each other's functional aspects. Specifically, when expanding on the report about the pre-processing and machine/deep learning models, I struggled to construct a coherent explanation of how each model works. I felt frustrated and hindered by the limited knowledge I had about the models developed by the experiments group. It was challenging to provide an accurate and detailed explanation without a deep understanding of their inner workings.
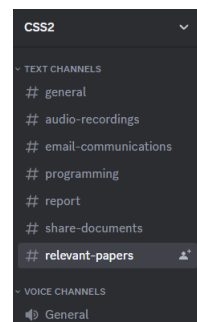
The reason behind was the lack of direct involvement and exposure to the experiments group's work. Without sufficient communication and collaboration, I couldn't fully grasp the intricacies of their models and their specific functionalities. To ensure a more cohesive understanding and explanation of each model, I actively engaged in frequent communication with the experiments group. By seeking

clarification, discussing their approaches, and gaining knowledge from their expertise, I was able to bridge the knowledge gap and achieve a sufficient understanding of each model's inner workings. Furthermore, I made efforts to summarize the results and functions of the experiments group's models by leveraging the information shared during our discussions. This allowed me to provide a more comprehensive explanation in the report, showcasing a deeper understanding of the models' functionalities and their impact on the project. By actively seeking communication and knowledge exchange with the experiments group, I was able to overcome the initial struggle and gain a satisfactory understanding of their models. This collaborative effort enabled me to provide a well-informed and comprehensive report, accurately summarizing the models' results and functions.

Moving forward, I recognize the importance of ongoing communication and collaboration to ensure a holistic understanding of all aspects of the project. For writing a research design on the discussion, I initially encountered struggles with explaining the process and results. Although all SVM, Random Forest, and SciBERT had already been expanded upon in the previous task, the project proposal, describing them in the discussion part was much harder, especially when I did not construct the models. However, by gaining insights from the GitHub repository that our group shared and by going through the code line by line to understand its intentions and functionalities, I managed to pick up and finalize my assigned part, explaining how the models work and presenting their results.

By incorporating theory and research into our practice, we aimed to enhance our teamwork and self-management skills. Throughout the project, we focused on efficient and effective teamwork, which was facilitated using social media channels, Discord for communication.
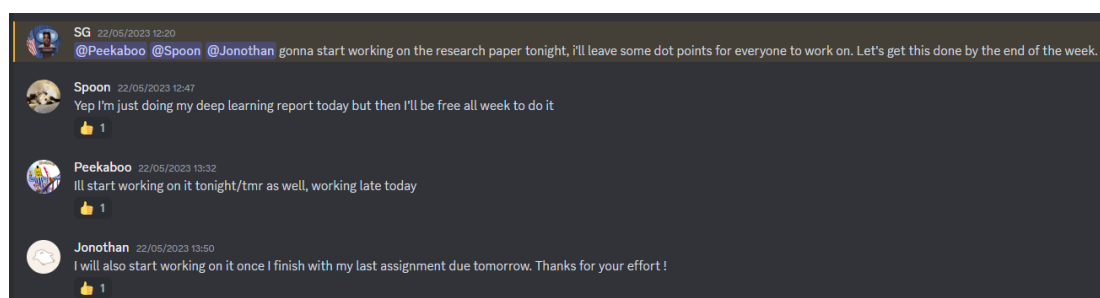
We utilized various communication channels on Discord to facilitate our collaboration and progress. The general channel served as a space for discussing planning and general topics. We used audio recordings for Assignment 1 presentation submissions, email communications for sharing responses from the tutor, programming discussions for tasks related to model development, and the report channel for organizing the writing of the discussion section.
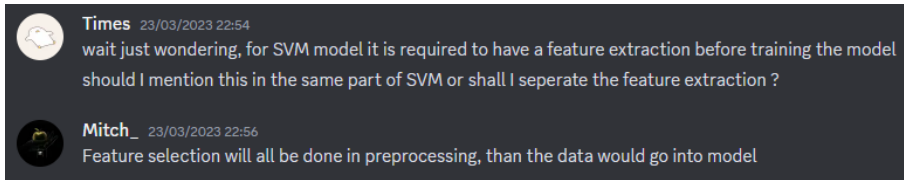
Additionally, we shared relevant documents and resources through Google Drive and utilized voice channels for weekly meetings to discuss project-related matters.

Regular communication and engagement were essential to ensure that no team member fell behind and that everyone was included in decision-making and progress updates. We maintained ongoing communication through Discord messages, ensuring that any changes or scheduling matters were communicated promptly. Additionally, I maintained constant communication with the team members I worked closely with to ensure that I was aligned with their progress and the overall project direction. By establishing effective communication channels and maintaining regular engagement, we were able to enhance our teamwork and self-management skills. This allowed us to collaborate efficiently and ensure that everyone was on track with their assigned tasks.

Times 23/03/2023 22:54
wait just wondering, for SVM model it is required to have a feature extraction before training the model
should I mention this in the same part of SVM or shall I seperate the feature extraction ?

Mitch_ 23/03/2023 22:56
Feature selection will all be done in preprocessing, than the data would go into model

In conclusion, reflecting on the project, I have learned the importance of effective communication, collaboration, and seeking clarification when faced with challenges. By adopting segmented approaches, seeking guidance from the tutor, and actively engaging with team members, I was able to overcome obstacles and improve my understanding of various project components. These experiences have highlighted the significance of clear instructions, ongoing communication, and the integration of different modes of collaboration to enhance teamwork and project outcomes. Moving forward, I will apply these insights to improve my future project management and collaborative skills.