

Reflections:

Going into the project, the idea of a computer vision based project had appealed to me as an area of potential interest. Admittedly, this was not an area in which I was at all experienced or had a large amount of background knowledge, however, it was an area which had stood out to me as something which I had wanted to look into, and something I thought could be enjoyable to learn about.

The original specification for this project describes predicting reversibility on a dataset of videos of the movement of primates, and although this did appeal as an interesting area to study, I was pleased to learn that the project was adaptable and that I would be able to use a custom dataset of videos to analyse. The specification also stated that pre-processing such as object detection and estimating the direction of movement were not requirements of the project, although this was arguably the part of the project which I found the most interesting and motivating, so it made more sense to place more of an emphasis on these areas when trying to code a solution to this problem.

Although perhaps the project specification was not my immediate first choice project, being able to adapt the project towards my interests was a big factor in boosting my excitement towards the project. I think that one of the major lessons that I have learned from this experience is how much easier and more motivating it is to learn and develop skills when it is related to specific areas of personal interest. Even though no specific football knowledge was necessary for the development of the project, the switch to a dataset of videos from football matches and training object detection/tracking specific to football really helped my engagement and interest in the project's development, as it related to my personal interests in both watching football and football analytics.

I think that ideally, I would have liked to analyse more factors of determining reversibility in my final score evaluation, although it was a struggle sometimes limiting myself in the amount of detail which I wanted to go into for each of the sections and staying within page limits, so I feel like definitely one of the key skills which I have tried to develop during this project is how to try and write concisely while still balancing getting a good level of detail and clarity across in my report.

I think therefore another skill which I have learned is not just writing concisely, but I think that I have developed a better sense of how to plan to use limited resources and work within boundaries. Initially, I found that I had over-budgeted the number of pages for my review of literature, and that left fewer pages than I needed for the later sections. After cutting this section down, I found it useful to set a page budget for each section to help plan out what information to prioritize including in the write-up compared to writing less about it. These budgets could be adjusted later based on needs, however, setting a rough idea of how much I could write and how much space I could use helped me progress on the assessment without over-budgeting on specific sections.

Regarding the timing of the development of the project and the implementation, I think a large part of the challenge was time-management and weighing up priorities with other modules and assessments which were happening simultaneously. Personally, I have sometimes found it a challenge to find a balance in distributing focus on these different tasks without wanting to devote all my time to one task until it is done. I think that this is definitely something which I have improved upon during the course of this project, for example, over the Easter break I have had to balance and limit the urge to want to spend more time to further improve both this project and another open assessment for the EVAC module so that I can allocate enough time to complete them all to a high standard. I think that this skill will most likely be a benefit for me in a professional environment, where it is unlikely that I would just be set one singular task to do and I would have to find a balance in time management in how long to spend over multiple tasks.