**5th Jan**

Set up GitHub repository for storing the project. This will also allow me to work between laptop and desktop.

**1st Feb**

Drew up the first draft of database structure. This involved thinking about the table structure, but I have also written down things to think about where there are multiple possibilities.

**2nd Feb**

Created the first draft of my schedule.xlsx.

**6th Feb**

Created project journal.docx and added all previous completed tasks, as above.   
Tutorial which explained the project scope and gave a general overview of what is required.  
Added several blank docx files to serve as reminders for tasks that needed doing – assumptions made, database choice, database structure thoughts, lifecycle options, project journal, research data to be used , similar projects, tutor conversation  
Wrote up my project journal, wrote a bit on database choice and documented tutor conversation so far

**8th Feb**

Tutorial in the morning, this was useful to understand how to reflect on the project well and the requirements for documenting literature used.  
Created the database design in a pdf file.  
Installed MySQL on my desktop and laptop.  
Added a blank document for research algorithms.

**9th Feb**

Updated my project journal with entries from 6th and 8th Feb.  
Briefly evaluated some lifecycle options.  
Updates to my schedule to try and be more specific and less generic to TMA.  
Emailed tutor my progress.

**10th Feb**

Created a conceptual model and wrote up my ideas around the conceptual model.  
Updated my project journal with entries from 9th and 10th Feb.

**12th Feb**

Updated my lifecycle choices to have a bit more detail on what I know about the life cycles and why I chose the life cycle I did.  
Updated my schedule considering my tutor’s comments. It is now more specific to my task. May need a further revision once I identify the specific code I need to write for my project.  
Updated my project journal with the entry for 12th Feb.

**15th Feb**

Wrote up my first draft of my task list and project description.  
Tutorial in the morning.  
Updated my project journal with the entry for 15th Feb.

**16th Feb**

Created my references sheet and added first reference.  
Updated conceptual model based on feedback from tutorial.  
Updated schedule further  
Started my research on some algorithms and wrote up some descriptions.  
Updated my project journal with the entry for 16th Feb.

**17th Feb**

Updated my SDLC choice to a structured-case based on feedback from tutor which triggered my own research since I had not heard of that SDLC before.  
Updated my task list and schedule to reflect this new SDLC.  
Added some references to literature I looked at so far.  
Updated my project journal with the entry for 17th Feb.

**18th Feb**

Updated database design based on tutor’s comments.

**20th Feb**

Started work on TMA01.

**22nd Feb**

More work on TMA01.

**23rd Feb**

More work on TMA01 – completed section 1 and 2.1.  
Updated schedule with review section for each CF.  
Added life cycle image.

**24th Feb**

More work on TMA01.  
Researched into where I can get the data required for the database.  
Looked back on TM351 and did some research on KNN and K-Means.  
Updated journal for 18th Feb – 24th Feb.

**25th Feb**

Completed TMA01.  
Update journal for 25th Feb

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**Break in work due to being busy with beginning house move – selling house/seeing houses**

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**7th Mar**

Tutorial in the morning.  
Gathered data required for PLePA.  
Update journal for 7th Mar.

**9th Mar**

Created the script for the database table creation.  
Update journal for 9th Mar.

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**Break in work due to being on holiday, arrived home early due to Covid-19.   
House purchase fell through due to buyers of our property pulling out due to Covid-19**

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**19th Mar**

Checked over data, no cleansing required. All data in format ready to be inserted into database.  
Oversight on stadium data, I collected and stored this.  
Created database inserts for the stadium data in a Python script.  
Update journal for 19th Mar.

**23rd Mar**

More work on database inserts for stadium data and game data, hit a bug which needs to be fixed.  
Update journal for 23rd Mar.

**24th Mar**

Finished insert for game data, fixed bug where there were inconsistencies with names that I did not spot before such as Norwich in game data but Norwich City in stadium data.  
 **25th Mar**

Cleaned season overview data and wrote database inserts for the data.  
Update journal for 24th and 25th Mar

**28th Mar**

Added notes for TMA02 from tutorial attended.  
Update journal for 28th Mar

**1st Apr**

Started work on LEPSI review.  
Update journal for 1st Apr

**2nd Apr**

Sent LEPSI to tutor for review.  
Update journal for 2nd Apr

**4th Apr**

Completed LEPSI work based on feedback from tutor.  
Update journal for 4th Apr

**5th Apr**

Research into first algorithm, Random Forest.

**8th Apr**

Work on TMA02

**11th Apr**

Work on TMA02

**12th Apr**

Work on TMA02  
Updated journal for 5th, 8th, 11th and 12th April.

**14th Apr**

Research into implementation for first algorithm, Random Forest.

**19th Apr**

Further research into implementation for first algorithm, Random Forest.  
Added journal entries for 14th and 19th April.

**20th Apr**

Initial plan for algorithm written up in human readable language.  
Email sent to tutor to give update on progress.  
Added journal entries for 20th April.

**26th Apr**

Work on random forest algorithm

**27th Apr**

Work on random forest algorithm

**30h Apr**

Work on random forest algorithm

**2nd May**

Work on random forest algorithm  
Trained the random forest algorithm

**3nd May**

Emailed tutor with an update  
Added journal entries for 26th, 27th, 30th April and for 2nd and 3rd May.

**9th May**

Finished up random forest algorithm

**11th May**

Created graphs and gathered statistics for efficiency on random forest algorithm

**14th May**

Review of random forest algorithm

**17th May**

Research on second algorithm, KNN

**24th May**

Begun development on KNN algorithm.  
Added journal entries for 9th, 11th, 14th, 17th and 24th May

**25th May**

More work on KNN algorithm.

**30th May**

More work on KNN algorithm.

**31st May**

Completed KNN algorithm

**6th June**

Collect data on KNN algorithm

**9th June**

Collect more data on KNN algorithm

**12th June**

Review KNN algorithm.  
Added journal entries since 24th May.