My contributions mostly aligned with the original project plan, particularly during the setup, data collection, and coordination phases. Early in the project, I created the shared Google Drive and developed a Kanban board to support task management, which were both part of our initial planning structure before the implementation of GIT.

However, some of my responsibilities evolved over time. While I initially focused on sourcing data, I later took on more of a team management role, ensuring roles were assigned fairly and keeping track of our progress.

I helped others where required including dashboard improvements and report editing areas that were not initially assigned to me but became essential, especially in the final stages. I adapted to these changing requirements to ensure the quality and completeness of our final submission.

From my perspective, some of the key challenges were to do with the initial planning.

While we started off well, I found that documentation and role assignment, quickly became more cluttered and harder to keep track of.

To get around this I created a Kanban board to try to split the project into smaller tasks that we could assign on a user basis, however I found that this didn’t work in practice, partially because other users did not utilise the board and partially due to this coming in to play a bit too late.

In the future I would create this at the project start and ensure it is used by all members.

I also struggled when it came to determining exactly what Resole wanted data wise, luckily, we were able to aske them questions during the tutorials and this helped quite a bit to narrow down the requirements.

During this project, I developed a deeper understanding of GIT. I had never used GIT before for a project, and I found it extremely helpful for not only keeping track of updates, but also for ensuring everyone is working on the same base line.

I really believe that this will come in extremely helpful for my future and have enjoyed working with it.

One issue however is I used Git Gui which I found out the day before submission that this does not verify your pushes, next time I will ensure git Bash is used along with the GPG key.

I also learned more how to cope with time sensitive tasks by splitting a large project into its core parts to track progress and ensure I can achieve my goals in the time required.

I believe the Work Break Down Structure helped me a lot to keep track of the project.

**Date Contribution**

04/02/2025 Created a shared Google Drive for the team **- Fig 1**

04/02/2025 Uploaded briefings and created meeting minutes document

05/02/2025 Created a generic to-do list for managing tasks and focus areas

06/02/2025 Formulated five key questions for Resole representatives **– Fig 2**

06/02/2025 Created a project outline to understand and clarify requirements

13/02/2025 Drafted original introduction used in the final report  **- Fig 3**

17/02/2025 Sourced and uploaded three external datasets **- Fig 4**

20/02/2025 Created a Kanban board to manage and monitor task progress

24/02/2025 Updated Kanban board with task assignments based on marking scheme **– Fig 5**

24/02/2025 Cleaned provided Resole data and resolved formatting issues

24/02/2025 Wrote dataset source descriptions and justifications **- Fig 6**

26/02/2025 Added data sourcing explanations to the initial draft report **– Fig 7**

10/03/2025 Created and shared GitHub repository with current project documents **– Fig 8**

27/03/2025 Edited dashboard graph (time series) and corrected dependents/children variable issue **- Fig 9**

27/03/2025 Tidied and restructured final report; added prediction model section at the end **– Fig 9**

#### Fig 1- Created a shared Google Drive for the team

A screenshot of a computer

AI-generated content may be incorrect.

#### Fig 2 - Formulated five key questions for Resole representatives

A close up of a screen

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#### Fig 3 - Drafted original introduction used in the final report

A screenshot of a computer

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#### Fig 5 - Updated Kanban board with task assignments based on marking scheme

#### Fig 4 - Sourced and uploaded three external datasets

#### Fig 6 - Wrote dataset source descriptions and justifications

#### Fig 7- Added data sourcing explanations to the initial draft report

A screenshot of a computer

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#### Fig 8 - Created and shared GitHub repository with current project document

A screenshot of a computer program

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#### Fig 9 - Edited dashboard graph

#### Fig 9- Tidied and restructured final report

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