

Maji Ndogo: From analysis to action

Starting the journey

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Welcome to Maji Ndogo

The story we'll step into is not unique to Maji Ndogo; it **mirrors real-world challenges** faced in many places across the globe.

Our mission is to help rejuvenate the drying *Mto wa Matumaini* – The River of Hope – using a data-driven approach.



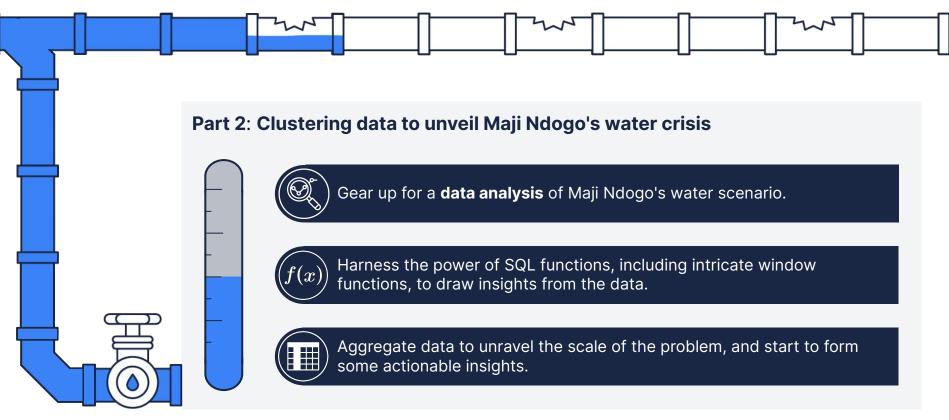
Completing this mission won't just make you adept at SQL; it will **empower** you to tackle complex challenges, equipping you with highly desirable skills.

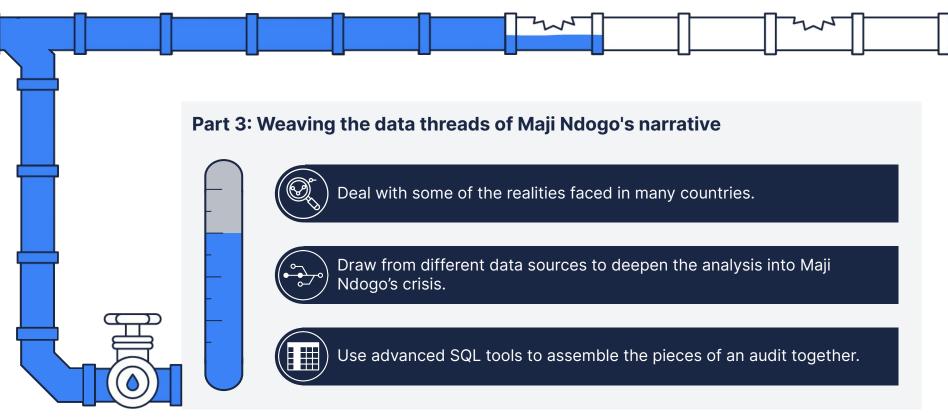


Large parts of this project were generated using Al. All characters and places are fictional, but purposely designed.



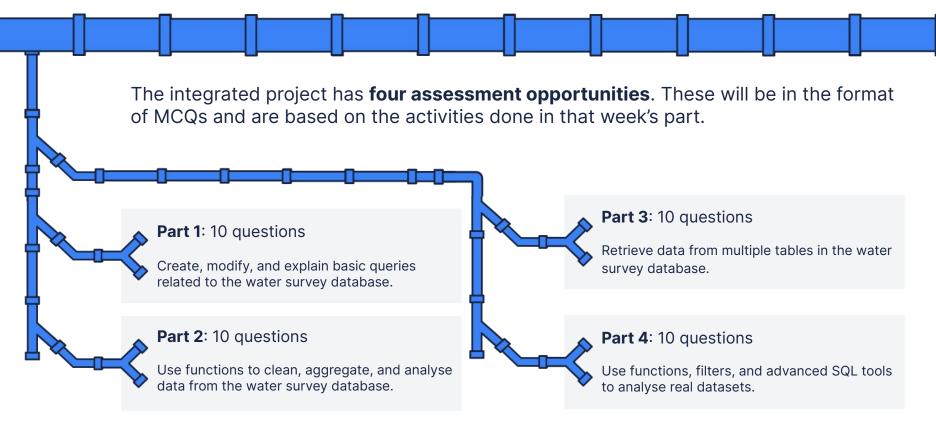






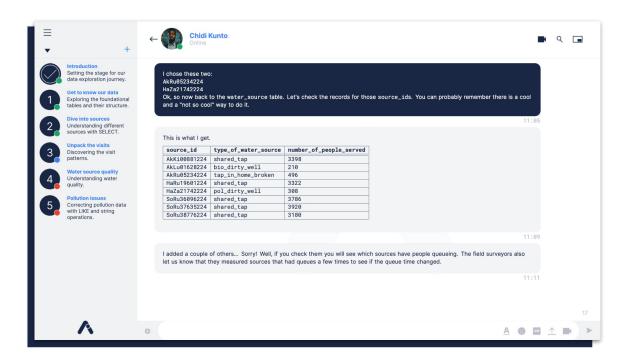


Assessments





The format of the slides that **guide us through the project each week** mimics a chat-like interface, similar to Google Chat.

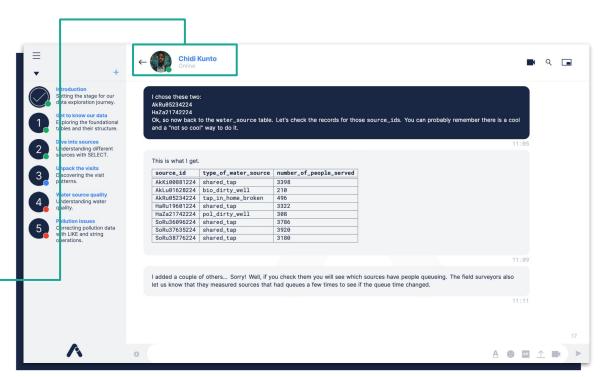




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Chidi Kunto is our best virtual data analyst who will **help to break down tasks** from President Naledi into more technical data questions.

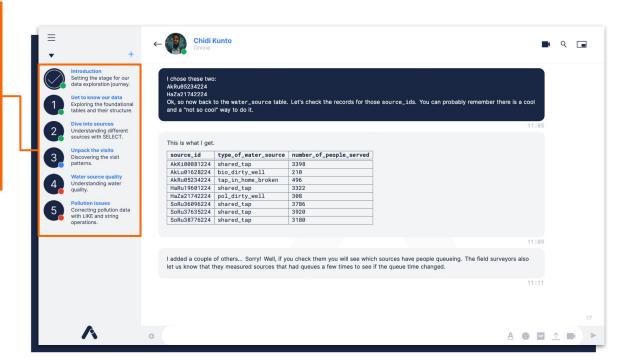
Chidi represents a role model for an analyst. He is a good leader, passionate about the work he does, and critically thinks about everything.





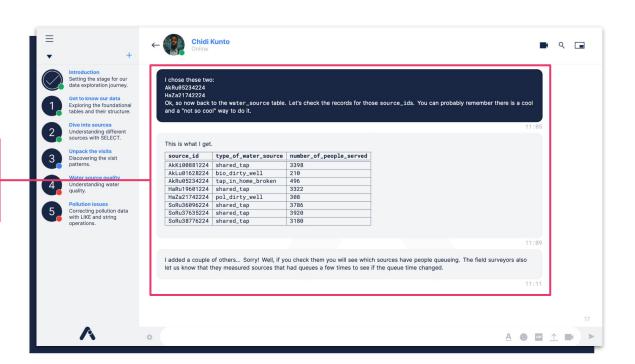
These **status icons** indicate progress. As we **complete** sections, the status icons turn **green**.

The **current task** we're working on is shown in **blue**, and tasks yet to come are still in red.



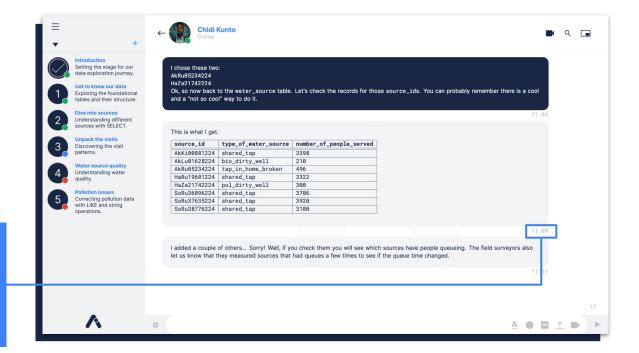


The story, tasks, code blocks, and query results are shared by Chidi in this space.

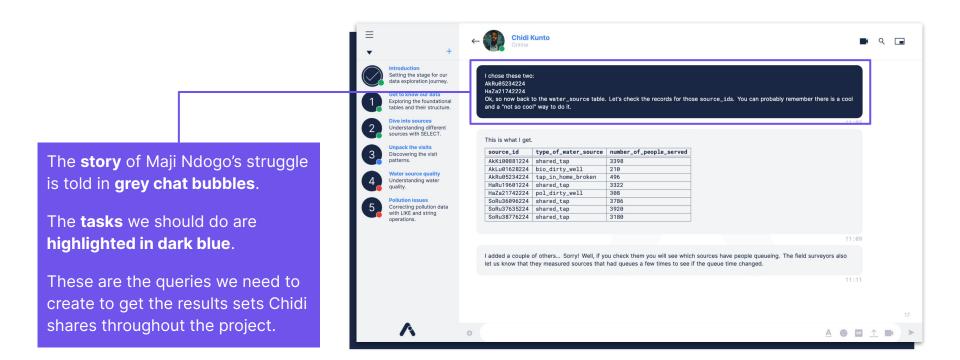




The **timestamps** on these messages are **unique**. We can **reference** these like page numbers when collaborating, or when asking questions.



Format



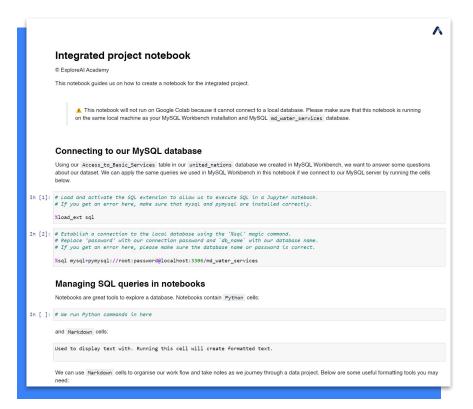
Managing SQL queries in MySQL Jupyter notebooks

Jupyter notebooks offer an **interactive environment** that's perfect for **data projects**, especially when working with SQL databases.

We can write SQL queries, execute them, and store the results of those queries – **all in one place**.

We can create notebooks in Jupyter to **organise** our **work**, **summarise** our **findings**, make some **notes**, and **store results** so that we can reference them **later**.

An example notebook is available for Part 1, but we encourage you to **create these on your own** for the rest of the project.



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Our main goal



To make sure **we're the ones standing out** in an interview, we should be able to **solve any problem** we're given using our SQL skills.



Engaging with this project fully will help you to do that! So forget about the marks, and **build your skills** in SQL.



Several points in this project will be challenging, so we should rely on each other to learn. If you get stuck, **reach out to your teammates** and ask for help.

