**Learning Log: Define problems and ask questions with data**

**Instructions**You can use this document as a template for the learning log activity: Consider how data analysts approach tasks. Type your answers in this document, and save it on your computer or Google Drive.

We recommend that you save every learning log in one folder and include a date in the file name to help you stay organized. Important information like course number, title, and activity name are already included. After you finish your learning log entry, you can come back and reread your responses later to understand how your opinions on different topics may have changed throughout the courses.

To review detailed instructions on how to complete this activity, please return to Coursera: [Learning Log: Define problems and ask questions with data](https://www.coursera.org/learn/ask-questions-make-decisions/supplement/guGix/learning-log-define-problems-and-ask-questions-with-data).

| **Date:** <enter date> | **Course/topic:** Course 2: Ask Questions to Make Data-Driven Decisions | | |
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| **Learning Log:** Define problems and ask questions with data | | |
| **Summarize your findings** | Create a summary of key information you think a stakeholder would need to know about this project. In this case, your stakeholder could be a member of the executive team, like a project manager. Here are some questions to help you get started:   * What is the problem? * Can it be solved with data? If so, what data? * Where is this data? Does it exist, or do you need to collect it? * Are you using private data that someone will need to give you access to, or publicly available data? * Who are the relevant sponsors and stakeholders for this project? Who is involved, and how? * What are the boundaries for your project? What do you consider “in-scope?” What do you consider “out-of-scope?” * Is there any other information you think is relevant to the project? * Is there any information you need or questions you need answered before you can begin? | | |
| **Reflection:** | Write 5-7 sentences (100-140 words) summarizing the key questions, the data available, and the answers or insights you have gained so far | | |
| **Questions and responses:** | *The problem is how to distribute staff throughout the days of week so that the business can take more customers on the busy days and reduce the staff on the less busy days.*  *This can be solved with the data of the customers that went to the business in the past year.*  *The stakeholder stores the transaction data of the business.*  *This is the private data, the stakeholder will provide the necessary data.*  *The owner of the business is a stakeholder for this project. The manager is involved in this project and is the one that provides all the data.*  *The project only includes the distribution of the staff, not about the promotion and advertisement.*  *I need the information about the list of staff with part time and full time information.* | | |