**Learning Log: Ask SMART questions about real life data sources**

**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: Ask SMART questions about real life data sources.](https://www.coursera.org/learn/ask-questions-make-decisions/supplement/8vBEt/learning-log-ask-smart-questions-about-real-life-data-sources)

| **Date:** <enter date> | **Course/topic:** Course 2: Ask Questions to Make Data-Driven Decisions | | |
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| **Learning Log:** Ask SMART questions about real life data sources | | |
| **Review your notes** | Before you begin your new entry, take a moment to locate and read the notes you took during your data conversation. Based on the answers to your well-prepared SMART questions, you should have a better context for your target audience now. Review those answers and start thinking about the following:   * Stakeholder’s **business goals**; in this case, the person you had a conversation with * Identifying the **data needed** to answer the SMART questions * Exploring what **data the stakeholder already has** * Determining the **data that you don’t have**, **but need** in order to answer the questions | | |
| **Reflection:** | Write 5-7 sentences (100-140 words) about data sources discussed during your real-life data conversation. | | |
| **Questions and responses:** | First, consider your data conversation and how it went. Here are some questions to help you get started:   * Was there anything challenging about getting the conversation started? * Were there questions you didn’t get to ask? * Did you manage your time effectively? * Did you take notes? Are they as detailed as you need them to be? * Are you missing any information? Is there anything that you still find unclear or vague? * If you could do the conversation over again, is there anything you would change?   Next, turn your attention to your notes and reflect on what you know about the data itself:  **Problem**: To analyze how many people get a first class honor in 2024 @Faculty of ICT, Mahidol University.   * What are the sources of data available for the project? **ICT Batch 18 Student Lists with their CUM-GPA from the Faculty.** * Which data sources were qualitative and which were quantitative? Explain your answer. **Student Lists is Qualitative, and Student CUM-GPA is Quantitative.** * What decisions could you make when considering each data source separately? Could you make different decisions about the data if you combined it? If so, give an example. **In this case, since it has only one important single source that was retrieved from the faculty, it might not need to be combined with other sources.** * Is there any kind of data that isn’t available, but you would like to find? If so, what is it, and why would you like to know more about it?   **If the problem is to find the reasons that makes those students get a first class honor, this source is insufficient. It needs to consider many several factors such as Frequency reviewing the book, IQ.** | | |