**Learning Log: Consider how data analysts approach tasks**

**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: Consider how data analysts approach tasks](https://www.coursera.org/learn/foundations-data/supplement/I086K/learning-log-consider-how-data-analysts-approach-tasks).

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| **Date:** 07/20/2022 | **Course/topic:** Course 1: Foundations: Data, Data Everywhere |
| **Learning Log:** Consider how data analysts approach tasks |
| **Review the 6 phases of data analysis** | Consider how the data analysts at Google used the data analysis process to break down their analysis project:  The analysts **asked** questions to define both the issue to be solved and what would equal a successful result.   Next, they **prepared** by building a timeline and collecting data with employee surveys, which should be inclusive.  They **processed** the data by cleaning it to make sure it was complete, correct, relevant, and free of errors and outliers.   They **analyzed** the clean employee survey data. Then the analysts **shared** their findings and recommendations with team leaders. Afterward, leadership **acted** on the results and focused on improving key areas. |
| **Reflection:** | Write 2-3 sentences (40-60 words) in response to each of the questions below. |
| **Questions and responses:** | * Did the details of the case study help to change the way you think about data analysis? Why or why not?   *Data Analysis has been a part of my life for a while. The case study helped me see a real-world application of data analysis methodologies. I also didn’t realize the different steps and how they played a role in the process.*   * Did you find anything surprising about the way the data analysts approached their task?   *I was intrigued by the surveying of the individuals rather than just looking at the processes. I’ve worked at many companies where retention rates were are a process concept and they used trial and error instead of asking the employees their opinions during onboarding.*   * What else would you like to learn about data analysis?   *I would like to learn the methods behind “cleaning” data. I know that there is some collected data that isn’t overly useful to the entire picture (in statistics these are usually called outliers), so I want to learn how to decipher that information.* |