**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:** <enter date> | **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?   *Yes – it gave me a much better idea of the data analysis process and now I have a much better idea of why each step is so crucial. I also gained a better understanding of each of the steps and why it is important to perform them.*   * Did you find anything surprising about the way the data analysts approached their task?   *I was surprised about the amount of detail in each stage – eg. Considerations about privacy of data, consent, etc. I always thought it would just be a process of collect, clean, visualize, analyze*   * What else would you like to learn about data analysis?   *Dealing with different types of datasets eg. Small large financial, commercial, string etc. and also dealing with SQL and using SQL queries more effectively* |