**Learning Log: Reflect on the data analysis process**

**Instructions**You can use this document as a template for the learning log activity: Reflect on the data analysis process. 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: Reflect on the data analysis process](https://www.coursera.org/learn/foundations-data/supplement/A6amf/learning-log-reflect-on-the-data-analysis-process).

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| **Date:** <enter date> | **Course/topic:** Course 1: Foundations: Data, Data Everywhere |
| **Learning Log:** Reflect on the data analysis process |
| **The data analysis process so far** | In reviewing the data analysis process so far, you have already performed a lot of analysis tasks!   * You **asked** an interesting question, and defined a problem to solve through data analysis so you can answer that question. * You thought deeply about what data you would need, and how you would collect it in order to **prepare**. * You **processed** your data by organizing and structuring your data in a table, and then moving it to a spreadsheet. * You **analyzed** your data by inspecting and scanning it for patterns. * You **shared** your first data visualization: a bar chart. * After completing all the other steps, you **acted**: You reflected on your results, made decisions, and gained insight into your problem--even if that insight was that you don’t have enough data, or that there were no obvious patterns in your data. Remember, negative results count just as much as positive results in data analysis. |
| **Reflection:** | Write 2-3 sentences (40-60 words) in response to each of the questions below. |
| **Questions and responses:** | * Which part(s) of the data analysis process did you enjoy the most? What did you enjoy about it?   *In the data analysis processes, the parts I like most are 'Process' and 'Analyze'. Because I have learned about what/which steps we need to implement to make raw data can be used,* I *found the "Processing" phase the most enjoyable. It's like solving a puzzle and transforming raw data into meaningful insights.*   * What were some of the key ideas you learned in this course?   *After some lectures in this course, I think that data can help us resolve and answer a lot of questions and problems in real life.*  *I learned that data is a powerful tool for problem-solving and that precise questions can uncover root causes.*  *I am passionate about defining the questions to find out the root cause of the problems,...*   * Are there concepts or portions of the content that you would like to learn more about? If so, what are they? Which upcoming course do you think would teach you the most about this area?   *The things that I think we need to improve and enhance in this course are the practices, stuff that get our hands dirty, and understanding knowledge that we acquired in each lesson,... I'd like more hands-on practice, especially in data visualization and advanced statistics. An advanced data analytics or machine learning course would be ideal.*   * Now that you’ve gained experience doing data analysis, how do you feel about becoming a data analyst? Have your feelings changed since you began this course? If so, how?   *I am really excited to have an opportunity to become a data analyst, to comprehend all the things that we can retrieve from data, and to apply all the insight we obtain from data to make our lives and our world better. My perspective has shifted, and I now see it as a dynamic field with vast potential to make a positive impact.* My feeling has changed a lot, my view changed from an aspect of a Software Engineer to an aspect of data, It's so different and larger,... |