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Grade received **100%** To pass 80% or higher

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## \*Weekly challenge 2\*

Latest Submission Grade 100%

1. A junior data analyst is seeking out new experiences in order to gain knowledge. They watch videos and read articles about data analytics. They ask experts questions. Which analytical skill are they using?

1 / 1 point

- ☐ Having a technical mindset
- ☐ Data strategy
- ☐ Understanding context
- ☒ Curiosity

✔ **Correct**

Curious people seek out new experiences, which leads to knowledge.

2. Adding descriptive headers to columns of data in a spreadsheet is an example of which analytical skill?

1 / 1 point

- ☐ Big-picture thinking
- ☐ Data strategy
- ☒ Understanding context
- ☐ Curiosity

✔ **Correct**

Context is the condition in which something exists, such as a structure. Labeling the top row in a spreadsheet column provides context about the data below.

3. A data analyst works for an appliance manufacturer. Last year, the company's profits were down. Lower profits can be a result of fewer people buying appliances, higher costs to make appliances, or a combination of both. The analyst recognizes that those are big issues to solve, so they break down the problems into smaller pieces to analyze them in an orderly way. Which analytical skill are they using?

1 / 1 point

- ☐ Understanding context
- ☒ A technical mindset
- ☐ Curiosity
- ☐ Data strategy

✔ **Correct**

They are using a technical mindset, which involves the ability to break things down into smaller steps or pieces and work with them in an orderly and logical way.

4. Fill in the blank: Data strategy involves \_\_\_\_ the people, processes, and tools used in data analysis.

1 / 1 point

- ☐ visualizing
- ☒ managing

☐ supervising

☐ choosing



**Correct**

Data strategy is the management of the people, processes, and tools used in data analysis.

5. The manager at a music shop notices that more trombones are repaired on the days when Alex and Jasmine work the same shift. After some investigation, the manager discovers that Alex is excellent at fixing slides, and Jasmine is great at shaping mouthpieces. Working together, Alex and Jasmine repair trombones faster. The manager is happy to have discovered this relationship and decides to always schedule Alex and Jasmine for the same shifts. In this scenario, the manager used which quality of analytical thinking?

1 / 1 point

☐ Big-picture thinking

☒ Correlation

☐ Problem-orientation

☐ Visualization



**Correct**

The manager used correlation, which involves being able to identify a relationship between two or more pieces of data.

6. Data analysts ask, "Why?" five times in order to get to the root cause of a problem.

1 / 1 point

☒ True

☐ False



**Correct**

Data analysts ask, "Why?" five times in order to get to the root cause of a problem.

7. An airport wants to make its luggage-handling process faster and simpler for travelers. A data analyst examines and evaluates how the process works currently in order to achieve the goal of a more efficient process. What methodology do they use?

1 / 1 point

☐ Data visualization

☐ The five whys

☐ Strategy

☒ Gap analysis



**Correct**

Gap analysis is a method for examining and evaluating how a process works currently in order to get where you want to be in the future.

8. A company is receiving negative comments on social media about their products. To solve this problem, a data analyst uses each of their five analytical skills: curiosity, understanding context, having a technical mindset, data design, and data strategy. This makes it possible for the analyst to use facts to guide business strategy and figure out how to improve customer satisfaction. What is this an example of?

1 / 1 point

☐ Data science

☒ Data-driven decision-making

☐ Data visualization

☐ Gap analysis



**Correct**

Data-driven decision-making involves using facts to guide business strategy. The five essential analytical skills are a key part of data-driven decision-making.