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Weekly challenge 2

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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?

0 / 1 point

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

✗ **Incorrect**

Review the section on [analytical skills](#) for a refresher.

2. Understanding context is an analytical skill best described by which of the following? Select all that apply.

0.75 / 1 point

- ☒ Identifying the motivation behind the collection of a dataset

✓ **Correct**

Context is the condition in which something exists, such as a structure. Identifying the motivation behind the collection of a dataset helps clarify the context.

- ☐ Adding descriptive headers to columns of data in a spreadsheet

- ☒ Gathering additional information about data to understand the broader picture

✓ **Correct**

Context is the condition in which something exists, such as a structure. Gathering extra information about data to understand the broader picture provides context.

- ☐ Working with facts in an orderly manner

You didn't select all the correct answers

3. Fill in the blank: ____ involves the ability to break things down into smaller steps or pieces and work with them in an orderly and logical way.

1 / 1 point

- ☐ Data strategy
- ☐ Context
- ☒ A technical mindset
- ☐ Curiosity

✓ **Correct**

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

4. Which analytical skill involves managing the people, processes, and tools used in data analysis?

1 / 1 point

- ☒ Data strategy
- ☐ Curiosity
- ☐ Data design
- ☐ Understanding context

✓ **Correct**

Data strategy involves managing 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

- ☐ Visualization
- ☐ Problem-orientation
- ☐ Big-picture thinking
- ☒ Correlation



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. What method involves examining and evaluating how a process works currently in order to get it where you want it to be in the future?

1 / 1 point

- ☐ Data visualization
- ☒ Gap analysis
- ☐ The five whys
- ☐ Strategy



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
- ☐ Gap analysis
- ☒ Data-driven decision-making
- ☐ Data visualization



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.