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

   - ⦿ Curiosity
   - ◯ Understanding context
   - ◯ Data strategy
   - ◯ Having a technical mindset

   > ✓ **Correct**
   > Curious people seek out new experiences, which leads to knowledge.

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

   1 / 1 point

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

   > ✓ **Correct**
   > Context is the condition in which something exists, such as a structure. Adding descriptive headers to columns of data in a spreadsheet provides context about the data below.

   - ☐ Working with facts in an orderly manner
   - ☑ 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.

   - ☑ 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.

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

○ Curiosity

○ Understanding context

● A technical mindset

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

1 / 1 point

● Data strategy

○ Data design

○ Curiosity

○ Understanding context

✓ **Correct**
Data strategy involves managing the people, processes, and tools used in data analysis.

5. Correlation is the aspect of analytical thinking that involves figuring out the specifics that help you execute a plan.

1 / 1 point

○ True

● False

✓ **Correct**
Correlation involves being able to identify a relationship between two or more pieces of data.

6. The five whys is a technique that involves asking, "Why?" five times in order to achieve what goal?   1 / 1 point

- ○ Put a plan into action

- ○ Visualize how a process should look in the future

- ● Identify the root cause of a problem

- ○ Use facts to guide business strategy

✓ **Correct**
In the five whys, you ask, "Why?" five times to reveal 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

- ● 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. Data-driven decision-making involves the five analytical skills: curiosity, understanding context, having a technical mindset, data design, and data strategy. Each plays a role in data-driven decision-making.   1 / 1 point

- ● True

- ○ False

✓ **Correct**
Data-driven decision-making involves curiosity, understanding context, having a technical mindset, data design, and data strategy.