Your grade: 85%

Your latest: **85%** • Your highest: **85%** • To pass you need at least 70%. We keep your highest score.

Next item →

☰ Instructions

1. Which of the following is a most accurate application of generative AI in Data Analytics?   1 / 1 point

    ⦿ Filling in missing data points

    ◯ Creating high-quality images

    ◯ Generating coherent and context-appropriate text

    ◯ Generating musical compositions

    ✓ **Correct**
    Correct! Generative AI in data analytics can generate synthetic data sets for filling in missing data points.

2. How do data analysts use generative AI for testing and development?   1 / 1 point

    ⦿ Augment their data sets using generative AI to create synthetic data

    ◯ Generate simple language text

    ◯ Generate realistic environments, characters, and game levels

    ◯ Synthesize medical images

    ✓ **Correct**
    Correct! Data scientists can augment their data sets using generative AI to create synthetic data.

3. Which of the following generative AI tools can create data for face recognition?   1 / 1 point

    ⦿ Nvidia's StyleGAN2

    ◯ Tableau

    ◯ RapidMiner

    ◯ DataWrangler

    ✓ **Correct**
    Correct! Nvidia's StyleGAN2 can create data for face recognition and facial expression analysis tasks.

4. Which of the following generative AI tools is a secure infrastructure for running LLMs, managing data access, and auditing?   1 / 1 point

    ⦿ Palantir Artificial Intelligence Platform

    ◯ Alteryx AiDIN

    ◯ DataRobot

    ◯ Facebook Insights

    ✓ **Correct**
    Correct! Palantir Artificial Intelligence Platform is a secure infrastructure for running LLMs, managing data access, and auditing.

5. Which generative AI tool uses data augmentation techniques to improve machine learning models' performance?   1 / 1 point

    ⦿ DataRobot

    ◯ Palantir Artificial Intelligence Platform

○ Haptik chatbot solution

○ Facebook Insights

> ⊘ **Correct**
> Correct! DataRobot uses generative AI to augment data sets by creating synthetic data points to improve machine learning models' performance by providing more diverse and comprehensive training data.

6. How does generative AI enhance the extraction of insights from data?　　　　　　　　　　　　　　　　1 point

○ Data anomaly detection

○ Generating narratives from data

○ Identifying hidden patterns and correlations

◉ Enabling natural language queries

> ⊗ **Incorrect**
> Incorrect. Review the Reading: Leveraging Generative AI in Data Analytics Process.

7. Which of the following can enhance data preparation with generative AI?　　　　　　　　　　　　　　1 / 1 point

○ Identifying storytelling elements

○ Generating hypotheses and explanations

◉ Identifying and correcting outliers

○ Enabling natural language queries

> ⊘ **Correct**
> Correct! You can enhance data preparation with generative AI by identifying the outliers in the data and remove them.

8. Which of the following is the definition of 'data augmentation'?　　　　　　　　　　　　　　　　　1 / 1 point

○ It is the technique to develop charts from datasets.

○ It is the technique to generate stories from complex data.

○ It is the process of converting text into images.

◉ It is the process of artificially increasing the size of a training data set by creating modified data from the existing one.

> ⊘ **Correct**
> Correct! It is the process of artificially increasing the size of a training data set by creating modified data from the existing one.

9. Which generative AI tool can augment structured data sets?　　　　　　　　　　　　　　　　　　1 / 1 point

◉ CTGAN

○ BigGAN

○ Imagen

○ StyleGAN2

> ⊘ **Correct**
> Correct! CTGAN and SDV are examples of generative AI techniques that excel in augmenting structured data sets.

10. Which prompt can you use for the following query:　　　　　　　　　　　　　　　　　　　　1 / 1 point

`SELECT AVG(AGE) FROM Boston_house_price` ?

○ Find age in Boston data set.

○ Update average age in Boston data set.

○ Update average age in Boston data set.

● What is the average age in Boston data set?

○ What is the age in Boston data set?

> ⊘ **Correct**
> Correct! You can type this prompt for the query to find the average age in Boston data set.

11. Which of the following tools can be used to augment image data sets by generating high-resolution, realistic images?   `1 / 1 point`

○ GauGAN

○ CTGAN

○ Imagen

● StyleGAN2

> ⊘ **Correct**
> Correct! Generative AI tools like StyleGAN2 and BigGAN have demonstrated remarkable capabilities in augmenting image data sets by generating high-resolution, realistic images.

12. Which of the following features in data analysis plots a pair plot consisting of an analysis of all pairs of data attributes?   `1 / 1 point`

○ Bivariate

○ Describe

○ Univariate

● Multivariate

> ⊘ **Correct**
> Correct! Multivariate analysis will plot a pair plot consisting of bivariate analysis of all pairs of data attributes.

13. How can you use visualization in a generative AI tool to verify outliers?   `1 / 1 point`

○ Use annotation

○ Use color coding

● Generate box plots

○ Generate histograms

> ⊘ **Correct**
> Correct! To verify the outliers, with a simple prompt, the generative AI tool can generate boxplots for all possible attributes from the data set.

14. Which prompt will generate the following query: `1 / 1 point`

SELECT COUNT(*) FROM Boston_house_prices

○ What is the count of columns?

● What is the count of rows?

○ What is the sum of rows?

○ What is the total sum of prices?

> ⊘ **Correct**
> Correct! You will write this prompt to retrieve the count of rows in a database.

15. Which tool is an embeddable analytics conversational chat service that enables business users to explore data for insights using natural language inquiries?   `1 point`

○ Tableau Pulse

○ Analytics Chatbot

○ Crystal

● ThoughtSpot Sage

⊗ **Incorrect**
Incorrect. Review the Generative AI for Q&A Model Insights video.

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16. Which of the following techniques of model consideration can improve interpretability?   **1 / 1 point**

● Feature attribution

○ Manipulative model inputs

○ Perpetuate biases

○ Imaging data

⊘ **Correct**
Correct! To improve interpretability, data scientists use techniques such as

feature attribution and partial dependence plots.

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17. Which of the following is an organizational challenge while using generative AI?   **1 point**

○ Data quality

○ Change management

● Risk aversion

○ Continuous learning

⊗ **Incorrect**
Incorrect. Review the Challenges While Using Generative AI in Industries video.

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18. Which Python-based tool can interact with large language models (LLMs) like ChatGPT to create interactive and customizable dashboards?   **1 / 1 point**

○ Akkio

○ ThoughtSpot

○ Tableau AI

● Dash

⊘ **Correct**
Correct! Dash is a Python-based framework for building analytical web applications that can interact with large language models (LLMs) like ChatGPT to create interactive and customizable dashboards.

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19. Which storytelling aspect provides the data perspective to explain its relevance to the goals?   **1 / 1 point**

○ Logical organization

● Contextualization

○ Data visualization

○ Anecdote

⊘ **Correct**
Correct. Contextualization provides the data perspective to explain its relevance to the goals.

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20. Which feature of Copilot enables correlations and new formulae in Excel?   **1 / 1 point**

○ Presentation creation

○ Drafting of projects

○ Model generation

◉ Natural language queries

> ⊘ **Correct**
> Correct! Natural language queries in Copilot unveil correlations and suggest new formulae in Excel.