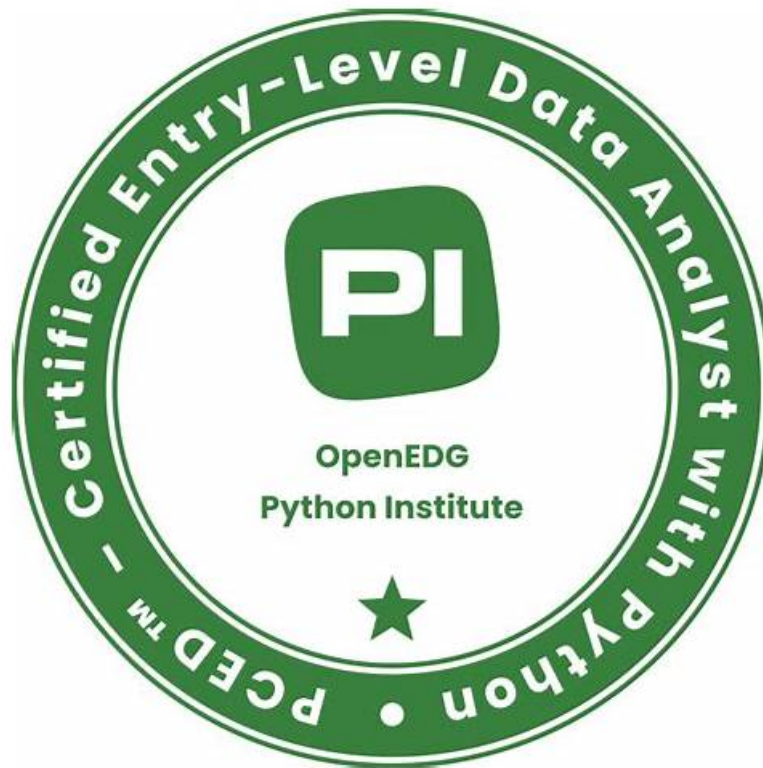


Quiz 2026 Realistic PCED-30-02 Latest Learning Materials - PCED - Certified Entry-Level Data Analyst with Python Latest Exam Camp



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Python Institute PCED - Certified Entry-Level Data Analyst with Python Sample Questions (Q13-Q18):

NEW QUESTION # 13

A data analyst exports a cleaned dataset from Python and wants to share it with a colleague for easy use in Excel. Which file format is best suited for this purpose? Select the best answer.

- A. SQL, because it directly converts tabular data into database tables that Excel can open.
- **B. CSV, because it stores tabular data in plain text and is compatible with spreadsheet applications.**
- C. JSON, because it stores hierarchical data and is designed for visual presentation in Excel.
- D. XML, because it automatically preserves spreadsheet formatting and charts.

Answer: B

Explanation:

CSV stores tabular data in a simple plain-text, comma-separated format that is widely supported by spreadsheet applications like Excel, making it ideal for sharing datasets for easy import and analysis.

NEW QUESTION # 14

Below are six possible summaries for your presentation:

- Summary 1: "The data revealed a moderate positive correlation between age and recycling frequency. While 72% of students reported recycling paper regularly, only 39% reported recycling plastic."
 - Summary 2: "Analysis showed notable differences in recycling habits by material type, with paper being most recycled and plastic least recycled."
 - Summary 3: "Older kids recycled more than younger ones. Paper was the most recycled item- plastic got forgotten a lot."
 - Summary 4: "Student responses showed positive environmental habits overall, though participation varied by waste type."
 - Summary 5: "A lot of students said they recycle. Some didn't answer every question, so we couldn't figure out everything."
 - Summary 6: "We asked more than 300 students about recycling. Most said they recycle paper, but way fewer recycle plastic."
- Which communication style is the best fit for Group A (data scientists) and Group B (12-year-olds), respectively? Select the best answer.

- A. Summary 4 for Group A, Summary 3 for Group B
- **B. Summary 1 for Group A, Summary 3 for Group B**
- C. Summary 6 for Group A, Summary 3 for Group B
- D. Summary 2 for Group A, Summary 6 for Group B
- E. Summary 6 for Group A, Summary 5 for Group B
- F. Summary 1 for Group A, Summary 6 for Group B

Answer: B

Explanation:

The first summary uses precise statistical language and quantitative detail appropriate for data scientists. The third summary uses simpler, more conversational language that is easier for 12-year-olds to understand.

NEW QUESTION # 15

You are developing a temperature control module for a laboratory incubator. Your objectives are to:

- generate timestamps every 10 minutes over a 3-hour span (i.e., 0 to 180 minutes), and
- simulate five evenly spaced target temperatures between 35.0°C and 37.0°C for system calibration.

Which code snippet correctly produces both sequences using NumPy? Select the best answer.

```
import numpy as np
```

- **A. `timestamps = np.arange(0, 181, 10)`
`target_temps = np.linspace(35.0, 37.0, 5)`**
- B. `timestamps = np.linspace(0, 180, 10)`
`target_temps = np.arange(35.0, 37.0, 5)`
`import numpy as np`
- C. `timestamps = np.linspace(0, 181, 10)`
`target_temps = np.arange(35.0, 37.0, 0.5)`
`import numpy as np`
- D. `timestamps = np.arange(0, 180, 10)`
`target_temps = np.linspace(35.0, 37.0, 4)`
`import numpy as np`

Answer: A

Explanation:

`np.arange(0, 181, 10)` generates timestamps from 0 through 180 in 10-minute steps (end is excluded, so using 181 includes 180).
`np.linspace(35.0, 37.0, 5)` generates five evenly spaced temperatures including both 35.0°C and 37.0°C.

NEW QUESTION # 16

You are given two lists representing daily page views and sign-ups on a website:

`views = [120, 130, 128, 700, 115, 123, 119, 680, 122]`

`signups = [12, 15, 13, 50, 11, 14, 10, 55, 13]`

You want to:

- remove outliers (views > 600), and
- calculate correlation between the cleaned lists.

Which code accomplishes this correctly? Select the best answer.

- **A.**
- B.
- C.
- D.

Answer: A

Explanation:

It converts the lists to NumPy arrays, builds a boolean mask based on the views threshold to remove outliers, applies the same mask to both arrays so they stay aligned, and then computes the correlation on the cleaned pairs using `np.corrcoef`.

NEW QUESTION # 17

A health researcher uses wearable devices to record physical activity and sends a survey to randomly selected participants across age groups.

Why can this approach be effective? Select the best answer.

- A. It uses unstructured interviews to validate automated tracking, improving bias detection.
- **B. It combines automated data collection with representative sampling, reducing the risk of bias.**
- C. It relies on observational methods, which are more accurate than surveys or sensors.
- D. It limits sampling to one demographic, ensuring high-quality data within a specific group.

Answer: B

Explanation:

Combining automated wearable data with a randomly selected survey sample integrates objective measurements with representative participant input, which helps reduce bias and improves the reliability and generalizability of the findings.

NEW QUESTION # 18

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Their updated PCED - Certified Entry-Level Data Analyst with Python (PCED-30-02) practice test material includes the latest and real PCED-30-02 questions that are very similar to those given in the actual PCED - Certified Entry-Level Data Analyst with Python (PCED-30-02) exam. Additionally, the PCED - Certified Entry-Level Data Analyst with Python (PCED-30-02) practice test software creates a realistic PCED-30-02 exam environment for users, and it also helps you in your preparation for the actual PCED - Certified Entry-Level Data Analyst with Python (PCED-30-02) test. TestKingFree offers the latest PCED-30-02 exam questions in multiple formats for convenience. These formats include PCED - Certified Entry-Level Data Analyst with Python (PCED-30-02) PDF dumps, PCED-30-02 Practice Test (web-based), and PCED-30-02 Practice Exam Software (Desktop-Based).

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