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Quiz: Lesson 1: Getting Started with SAS Visual Analytics

Your Score: 100%   Congratulations! Your score indicates that you have mastered the topics in this course. You can review the feedback and when you're finished, exit the lesson.

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1. What is the name of the high-performance, in-memory analytics engine used in SAS Viya?

   a. CAS (Cloud Analytic Services)
   b. LAS (LASR Analytic Services)
   c. SAS (Statistic Analytic Services)
   d. BAS (Business Analytic Services)

   Your answer: a
   Correct answer: a

   Cloud Analytic Services (CAS), a high-performance, in-memory analytics engine, is at the heart of SAS Viya.

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2. Which configuration supports fault tolerance?

   a. Single machine configuration
   b. Multi-machine configuration
   c. No-fault configuration
   d. Worker node configuration

   Your answer: b
   Correct answer: b

   The multi-machine configuration supports fault tolerance, meaning it can continue processing requests even after losing connectivity to some nodes.

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3. Which application enables you to prepare CAS tables and create CAS tables using transforms?

   a. SAS Studio
   b. SAS Data Explorer
   c. SAS Data Studio

   d. SAS Prepare Data

Your answer: c
Correct answer: c

SAS Data Studio is the data preparation application. Using SAS Data Studio, you can prepare CAS tables and create CAS tables using transforms.

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4. Which application enables users to create reports?

   a. SAS Report Creator
   b. SAS Visual Analytics
   c. SAS Report Viewer
   d. SAS Visual Analytics App

Your answer: b
Correct answer: b

SAS Visual Analytics is the report creation application. You can use Visual Analytics to visualize data, build statistical models, and create interactive reports. Reports that are created in Visual Analytics can be viewed in the SAS Report Viewer or the SAS Visual Analytics App.

5. In which phase of the Visual Analytics Methodology do you look for data quality issues and identify new data items that need to be created?

   a. Prepare
   b. Investigate
   c. Analyze
   d. Report
   e. Access

Your answer: b
Correct answer: b

In the Investigate phase, you inspect the tables to determine whether any changes are needed for data items due to data inconsistencies or data quality issues. You also identify any new data items that need to be created.

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6. In which phase of the Visual Analytics Methodology do you correct data quality issues and create calculated items?

   a. Prepare
   b. Investigate
   c. Analyze

d. Report

e. Access

Your answer: a
Correct answer: a

In the Prepare phase, you correct any data quality issues and create new calculated items needed for the analysis.

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7. In which phase of the Visual Analytics Methodology do you identify analysis tables and load them to CAS?

a. Prepare

b. Investigate

c. Analyze

d. Report

e. Access

Your answer: e
Correct answer: e

In the Access phase, you identify the analysis tables that will be used in Visual Analytics and load those tables into CAS.

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8. In which phase of the Visual Analytics Methodology do you explore data to identify patterns, relationships, and trends?

a. Prepare

b. Investigate

c. Analyze

d. Report

e. Access

Your answer: c
Correct answer: c

In the Analyze phase, you explore the data to identify patterns, relationships, and trends.

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9. In which phase of the Visual Analytics Methodology do you develop interactive reports that can be shared via the web or a mobile device?

a. Prepare

b. Investigate

      c. Analyze

      d. Report

      e. Access

Your answer: d
Correct answer: d

In the Report phase, you develop interactive reports that can be shared via the web or a mobile device.

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10. Which statement is true about viewing reports in SAS Visual Analytics?

      a. All users can view all reports.

      b. All users have the ability to create reports.

      c. Reports show the data at the time the report was saved.

      d. Users can focus on aspects of the report by using prompts.

Your answer: d
Correct answer: d

Administrators can set security to control which reports users can access, so all users cannot view all reports. Administrators also manage role-based capabilities, which control the application features that each group of users can access, so all users cannot create reports. Reports are built using a CAS table and are dynamic, meaning when the data in the CAS table is updated, the data in the report is updated as well.

Users can use prompts and actions in a report to focus on specific areas of interest.

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