SAS Institute

A00-407

SAS Viya Forecasting and Optimization

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Product Version

Latest Version: 6.0

Question: 1

In a linear programming problem (LP), an optimal solution will correspond to:
Response:

A. an extreme point or corner in the feasible region.
B. a point in the interior of the feasible region.
C. a point in the feasible region where constraints are satisfied with equality.
D. a feasible point on the trajectory of maximum duality.

Answer: A

Question: 2

You are selling movie tickets at 20 different theatre locations in five cities. The variable you are forecasting is number of tickets sold per week. Some theatres are open seven days a week, and others are only open five days a week.
Which is the best data creation option to roll up the transactional data and build the time series?
Response:

A. Total (sum) Accumulation
B. Average Accumulation
C. Total (sum) Aggregation
D. Average Aggregation

Answer: A

Question: 3

Attribute variables are primarily useful to do what in a Model Studio Forecasting project?
Response:

A. Visualize the data and operate on generated forecasts outside the hierarchy defined by the project's BY variables.
B. Define the project's data hierarchy, and visualize the level data contained in the attribute variable.
C. Visualize the project's data hierarchy, and operate on generated forecasts inside the hierarchy.
D. Augment the project's BY variables to define the data hierarchy for modeling and overrides.

Answer: A

Question: 4

Which situation will result in an override conflict in SAS Visual Forecasting?
Response:

A. Two or more overrides cannot be reconciled for the same time period.
B. An override affects a combined model forecast.
C. An override is applied to an aggregated forecast, and one or more components of the aggregated forecast come from models having events or independent variables.
D. Two or more overrides exceed 100% APE.

Answer: A

Question: 5

An ARIMA model forecast for two months past the end of the current month for a monthly time series is an example of which action?
Response:

A. Extrapolation
B. Accumulation
C. Aggregation
D. Seasonal adjustment

Answer: A

Question: 6

The number of Lagrangian multipliers (dual values) in a given linear programming problem is equal to the number of what?
Response:

A. decision variables
B. objective functions
C. index sets
D. constraints

Answer: D

Question: 7

Under the default settings of the hierarchical forecasting node, each series will have forecasts generated from which series model families?
(Choose two.)
Response:

A. ARIMA
B. UCM
C. ESM
D. Combined

Answer: A,C

Question: 8

Where is the option to include combined models is specified?
Response:

A. Pipeline comparison
B. Overrides tab
C. Hierarchical Forecasting node properties
D. Data tab

Answer: C

Question: 9

Which data table type is useful in visualizing and reconciling forecasts?
Response:

A. Attribute
B. Sample
C. Scoring
D. Holdout

Answer: A

Question: 10

Weighted performance measures like WAPE (weighted absolute percent error) are primarily useful for which task in a Model Studio forecasting project?
Response:

A. summarizing model performance for selecting a Champion pipeline for the project
B. correcting the bias found in unweighted performance measures in the process of selecting a champion pipeline for the project
C. selecting the champion model for an individual series in a pipeline for a project
D. choosing which series require overrides prior to choosing the champion pipeline for the project

Answer: A

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