

1. The general architectural model for an Enterprise Data Warehouse consists of several components. Which of these components is also known as “hub and spoke” architecture?

1 / 1 point

- ☒ Data Marts
- ☐ ETL layer
- ☐ Staging and sandbox areas
- ☐ Data sources

✓ Correct

Correct. Data marts are known as “hub and spoke” architecture and are sometimes involved in the general architectural model for an Enterprise Data Warehouse.

2. Choose the statement that best describes what pivoting data cube entails.

1 / 1 point

- ☐ None of these statements are correct
- ☐ Changing information content
- ☐ Not changing the point of view
- ☒ Changing the point of view you may choose to analyze something from

✓ Correct

Correct, pivoting changes the point of view you may choose to analyze something from.

3. A dimension is variable that categorizes facts. What are dimensions called by statisticians and machine learning engineers?

1 / 1 point

- ☐ Numerical measures
- ☒ Categorical variables
- ☐ Accumulating snapshot
- ☐ Foreign keys

✓ Correct

Correct, dimensions are called “categorical variables” by statisticians and machine learning engineers.

4. Which of the following general principles do you need to consider when designing a data model for a star schema?

1 / 1 point

- ☐ Selecting a business process
- ☐ Identifying the facts
- ☐ Identifying the dimensions
- ☒ All of these are design considerations when designing a data model for a star schema



Correct

Correct, select a business process, identify dimensions, and identify facts are all design considerations.

5. A staging area can have many functions. Some typical ones include integration, change detection, scheduling, data cleansing and validation, aggregating data, and normalizing data. What does aggregating data mean?

1 / 1 point

- ☒ You can use the staging area to summarize data
- ☐ To enforce consistency of data types, or names of categories
- ☐ To manage extraction of new and modified data as needed
- ☐ You can handle missing values and duplicated records



Correct

Correct, by aggregating data you can use the staging area to summarize data.