

# DASCA SDS通過考試 - SDS證照指南



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許多考生花費了大量的時間和精力學習DASCA SDS考試相關知識，但是到最後卻沒有成功，分析他們失敗的原因，我們得出結論是沒有針對性的復習。現在，NewDumps專門針對認證考試研發出有針對性的DASCA SDS考古題，為考生獲得認證節約更多的時間和金錢。SDS題庫的高效率和準確性兩大特點讓我們收到廣大考生的好評，獲得如此有價值的認證方案對您來說是非常划算的。

敢於追求，才是精彩的人生，如果有一天你坐在搖晃的椅子上，回憶起自己的往事，會發出會心的一笑，那麼你的人生是成功的。你想要成功的人生嗎？那就趕緊使用NewDumps DASCA的SDS考試培訓資料吧，它包括了試題及答案，對每位IT認證的考生都非常使用，它的成功率高達100%，心動不如行動，趕緊購買吧。

>> DASCA SDS通過考試 <<

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**最新的 DASCA Data Scientist SDS 免費考試真題 (Q25-Q30):**

## 問題 #25

What is TRUE for "rehashing"?

- A. All of the above
- B. Allocate a new, larger hash table in memory
- C. Key/value pairs from the original table can be inserted into the new, larger one
- D. Both A and B
- E. It requires a new hash function, which maps values into a larger range of integers

答案: A

解題說明:

Rehashing is a technique used in dynamic hash tables when the load factor (ratio of entries to bucket size) exceeds a certain threshold. It ensures efficient lookup, insertion, and deletion operations.

Option A (Correct): A larger hash table is allocated in memory to accommodate more entries.

Option B (Correct): A new hash function is typically required to map keys into the expanded table range.

Option C (Correct): All key-value pairs from the old table are re-inserted (rehashed) into the new table using the new hash function. Since all three conditions (A, B, and C) are true, the best choice is Option E (All of the above).

Reference:

DASCA Data Scientist Knowledge Framework (DSKF) - Programming for Data Science: Data Structures & Hashing Techniques

## 問題 #26

Which of the following is a Python library for fitting Bayesian networks to real data?

- A. MyLib
- B. SciLib
- C. SCIMC
- D. MCMC
- E. PyMC

答案: E

解題說明:

The correct answer is PyMC (Option B).

PyMC is an open-source Python library widely used for Bayesian statistical modeling and probabilistic machine learning. It provides a robust framework for defining and fitting Bayesian networks to real data using Markov Chain Monte Carlo (MCMC) sampling techniques, as well as variational inference methods.

This makes it a powerful tool for data scientists who want to work with uncertainty modeling, probabilistic inference, and causal reasoning in complex datasets.

Let's clarify the other options to avoid confusion:

\* Option A: SciLib - There is no standard Python library by this name that is related to Bayesian networks. (It may be confused with SciPy or SciKit-Learn, but those are not specialized for Bayesian inference.)

\* Option C: MyLib - This is not a recognized Python package in the data science ecosystem.

\* Option D: MCMC - While Markov Chain Monte Carlo is the technique used in Bayesian estimation, it is not a standalone library. Instead, PyMC implements MCMC as part of its computational framework.

\* Option E: SCIMC - No such Python library exists; it appears to be a distractor.

PyMC's primary strength is its ability to let data scientists define models in a probabilistic programming style, making it easier to represent uncertainties and hidden variables in data. This aligns with DASCA's emphasis on ensuring data scientists understand both statistical foundations and the tools required to implement them programmatically.

In practice, PyMC is often used in applications such as:

\* Forecasting (e.g., time series with uncertainty bounds)

\* Causal inference (estimating hidden relationships in data)

\* Risk modeling (finance, healthcare, or supply chain domains)

\* Machine learning with uncertainty quantification

Thus, PyMC is the correct library for fitting Bayesian networks in Python.

Reference: DASCA Data Scientist Knowledge Framework (DSKF) - Programming for Data Science & Probabilistic Modeling Tools, Official DASCA Study Guide.

## 問題 #27

Which of the following is TRUE for "By" analysis?

- A. All of the above
- B. Both B and C
- C. The "By" analysis technique reinforces the process of "thinking like a data scientist."
- D. "By" analysis is used to create a collaborative technique to drive alignment between the business users and the data scientists to identify and brainstorm variables and metrics that might be better predictors of business performance.
- E. "By" analysis is a technique by which business subject matter experts (SMEs) and the Data Science team could collaborate to uncover new variables and metrics that might be better predictors of business performance.

答案: A

解題說明:

"By" analysis is one of the foundational approaches recommended in the DASCA Data Scientist Knowledge Framework for structuring problem-solving in data science. The purpose of "By" analysis is to enable data scientists and business stakeholders to think beyond obvious data correlations and uncover deeper drivers of business outcomes.

At its core, the technique reinforces the discipline of thinking like a data scientist (Option A). This involves reframing business questions into analytical structures and asking "What drives this metric by which factors?" For example, customer churn might be analyzed by demographics, purchase behavior, or service usage. This structured mindset is critical for ensuring scientific rigor in business problem analysis.

In addition, "By" analysis emphasizes collaboration between Subject Matter Experts (SMEs) and Data Science teams (Option B). SMEs bring contextual domain knowledge, while data scientists bring analytical and statistical expertise. Together, they brainstorm possible explanatory variables or metrics that could become strong predictors of business performance.

Furthermore, the process provides a collaborative bridge between business and technical stakeholders (Option C). It ensures that the exploration of data is not isolated in silos but is grounded in both domain insights and advanced analytical methods. This alignment is crucial for building models that are not only technically sound but also relevant and actionable in real-world business contexts.

Since Options A, B, and C are correct and complementary, the best choice is Option E: All of the above.

Reference: DASCA Data Scientist Knowledge Framework (DSKF) - Data Science Process Fundamentals & Collaborative Analysis Techniques (Official DASCA Study & Exam Preparation Guide).

## 問題 #28

Which of the following is correct about customer lifetime value (CLTV)?

- Most organizations determine the current customer lifetime value (CLTV) based on historic sales over past 12 to 18 months
- The goal of the CLTV score is to help marketing and store personnel to determine the "value" of a customer

- A. Only ii
- B. Only i
- C. Both i and ii

答案: C

解題說明:

Customer Lifetime Value (CLTV) is a predictive metric estimating the total revenue a business can reasonably expect from a customer during their entire relationship.

Statement i: Correct. Many organizations calculate CLTV using historic transactional data, often looking at sales records over the past 12-18 months to establish baselines.

Statement ii: Correct. The primary purpose of CLTV is to help marketing, sales, and retail teams understand customer value, enabling them to allocate budgets effectively for retention, promotions, and personalized marketing.

Thus, both statements are correct # Option C (Both i and ii).

Reference:

DASCA Data Scientist Knowledge Framework (DSKF) - Business Applications of Data Science: CLTV Metrics and Marketing Analytics.

## 問題 #29

The Big Data Vision Workshop process is ideal for organizations who:

- A. All of the above
- B. Have a wealth of data that they do not know how to monetize

- C. Have a desire to leverage Big Data to transform their business but do not know where and how to start
- D. Have a desire to leverage the Big Data Vision Workshop to identify where and how to leverage data and analytics to power their business models
- E. Both A and B

答案: A

解題說明:

The Big Data Vision Workshop is an early-phase framework designed to help organizations shape their data- driven transformation journey. It is particularly beneficial when:

Option A: Organizations want to leverage big data but lack clarity on where to start.

Option B: Organizations already have large volumes of data but struggle to derive monetization strategies from it.

Option C: Organizations want to identify use cases where data and analytics can enhance or even redefine their business models. Since all three statements apply, the correct answer is Option E (All of the above).

Reference:

DASCA Data Scientist Knowledge Framework (DSKF) - Business Applications of Data Science: Big Data Vision Workshop.

## 問題 #30

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## 高質量的SDS通過考試 |第一次嘗試輕鬆學習並通過考試&可靠的SDS: Senior Data Scientist

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