



IBM C1000-177 STUDY GUIDE PDF

**Grab the IBM Foundations of Data Science using watsonx
Certification PDF Questions & Answers**

Details of the Exam-Syllabus-Questions

C1000-177

[IBM Certified watsonx Data Scientist - Associate](#)

61 Exam Questions – 70% Cut Score – Duration of 90 minutes

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Get an Overview of the C1000-177 Certification:

Who should take the [C1000-177 exam](#)? This is the first question that comes to a candidate's mind when preparing for the Foundations of Data Science using watsonx certification. The C1000-177 certification is suitable for candidates who are keen to earn knowledge on the Data, Analytics, and AI and grab their IBM Certified watsonx Data Scientist - Associate. When it is about starting the preparation, most candidates get confused regarding the study materials and study approach. But C1000-177 study guide PDF is here to solve the problem. C1000-177 PDF combines some effective sample questions and offers valuable tips to pass the exam with ease.

Why Should You Earn the IBM C1000-177 Certification?

There are several reasons why one should grab the C1000-177 certification.

- The Foundations of Data Science using watsonx certification proves to be one of the most recognized certifications.
- The certification badge proves the knowledge of the candidate regarding subject matters and makes his resume presentable to potential candidates.
- Thus earning the IBM Certified watsonx Data Scientist - Associate is a powerful qualification for a prosperous career.

IBM C1000-177 Exam Structure

Exam Name	IBM Certified watsonx Data Scientist - Associate
Exam Code	C1000-177
Exam Price	\$200 (USD)
Duration	90 mins
Number of Questions	61
Passing Score	70%
Books / Training	IBM Certified watsonx Data Scientist - Associate
Schedule Exam	Pearson VUE
Sample Questions	IBM Foundations of Data Science using watsonx Sample Questions
Practice Exam	IBM C1000-177 Certification Practice Exam

Enhance Knowledge with C1000-177 Sample Questions:

Question: 1

If the goal of the model is to predict whether a user will churn, which feature will cause data leakage if included in the training set?

- a) Subscribe date
- b) Unsubscribe date
- c) Last payment date
- d) Last suspension date

Answer: b

Question: 2

What is the standard approach in evaluating the performance of classification models using supervised machine learning?

- a) Confusion matrix
- b) Cross-validation
- c) Regularization
- d) Principal component analysis (PCA)

Answer: a

Question: 3

Which statement is true about a categorical feature that has 998 unique values in a dataset of 1000 records?

- a) Unless some categories could be split, this feature should be excluded from the model since some of its values are not unique.
- b) This feature could be included into the model without any transformations since it has enough categories relative to the total number of records.
- c) Unless some categories could be grouped, this feature should be excluded from the model since it has too many categories relative to the total number of records.
- d) This feature could be included into the model since the number of rows with non - unique values is small, which means they could be safely deleted during preprocessing.

Answer: c

Question: 4

When is z-score normalization most useful?

- a) When the data falls between 0 and 1.
- b) When the data contains many outliers.
- c) When the original range of the data needs to be retained.
- d) When data is normally distributed.

Answer: d

Question: 5

What does a stratified train test split ensure?

- a) The split is random without any additional conditions.
- b) The positive to negative cases ratio is the same in train and test sets.
- c) The train and test sets have the same absolute number of positive cases.
- d) The positive to negative cases ratio in the train set is as close to 1 as possible.

Answer: b

Question: 6

Which statement describes covariance?

- a) A measure of association between two variables.
- b) A measure of model performance.
- c) A measure of the distribution of values within a variable.
- d) A measure of overall predictive power of a set of variables.

Answer: a

Question: 7

A customer needs a model to identify fraud by flagging transactions with either a 0 or 1. Which type of model should they choose?

- a) k-means
- b) Linear Regression
- c) Logistic Regression
- d) Multi-class Decision Tree

Answer: c

Question: 8

Which statement describes sample variance and standard deviation?

- a) Variance is the square root of the average squared deviations from the mean, while standard deviation is the sum of these squared deviations.
- b) Variance is the average distance of each data point from the mean, while standard deviation is the total distance of all points from the mean divided by the number of points.
- c) Variance is the average of all squared differences from the mean, while standard deviation is the square root of the variance, showing how spread out the data is from the mean.
- d) Variance measures the total variability within a dataset without normalization, while standard deviation is calculated by dividing the variance by the number of data points minus one.

Answer: c

Question: 9

Which statement describes covariance?

- a) A measure of association between two variables.
- b) A measure of model performance.
- c) A measure of the distribution of values within a variable.
- d) A measure of overall predictive power of a set of variables.

Answer: a

Question: 10

How should k-fold cross validation be performed when data is split into test and train sets?

- a) Split the train set on k folds. Train the model on each fold and validate on test data.
- b) Split the train set on k folds. For each fold perform training using other k-1 folds and validate on this fold.
- c) Split the entire dataset on k folds. For each fold train the model on this fold and validate on the rest k-1 folds.
- d) Split the entire dataset on k folds. For each fold perform training using other k-1 folds and validate on the entire dataset.

Answer: b

What Study Guide Works Best in acing the IBM C1000-177 Foundations of Data Science using watsonx Certification?

The C1000-177 study guide is a combination of some proven study tips and the combination of all valuable study materials like sample questions, syllabus and practice tests in one place.

Explore the Syllabus Topics and Learn from the Core:

If you are determined to earn success in the Foundations of Data Science using watsonx exam, getting in full touch of the [syllabus](#) is mandatory. During preparation, you might not like all syllabus sections or topics, but try to get at least the fundamental knowledge from the sections you don't like. The more you possess knowledge on all syllabus sections, the more is the chance to attempt maximum number of questions during the actual exam.

Make Your Schedule:

Studying and completing the syllabus becomes easier, if you work on the syllabus topics after making a schedule. Your syllabus must mention what areas you want to cover and within what time. Once you make a schedule and follow it regularly, syllabus completion becomes easier and preparation becomes smoother.

Get Expert Advice from the Training:

Do not forget to join the IBM C1000-177 training if it is providing any. Training enhances the practical knowledge of a candidate, which helps them to work well in the practical field during projects.

Get Access to the PDF Sample Questions:

If your study material is in a PDF format or the materials are mobile-friendly, what could be better than that? Get access to the free sample questions and keep enhancing your knowledge beyond the syllabus.

Avoid Dumps and utilize the IBM C1000-177 Practice Test:

Why should you rely on practice tests? The reason is simple: you must get familiar with the exam pattern before reaching the exam hall. An aspirant aware of the exam structure and time management during the exam preparation can perform well in the actual exam and attempt the maximum number of questions during the exam.

Many aspirants prefer to read from dumps, but they miss out on the self assessment method. Therefore, C1000-177 practice tests always stand out to be the better choice than dumps PDF.

Avail the Proven C1000-177 Practice Test for Success!!!

Do you want to pass the C1000-177 exam on your first attempt? Stop worrying; we, EduSum.com are here to provide you the best experience during your Foundations of Data Science using IBM watsonx preparation. Try out our free mock tests to get a glimpse of our quality study materials, and build your confidence with the premium [C1000-177 practice tests](#). Our expert-designed questions help you to improve performance and pass the exam on your first attempt.