Neo4j Graph Data Science Certified

Exam Practice Tests

by

Cristian Scutaru

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About this Book

Who this book is for

- Anyone interested in the new **Neo4j Graph Data Science Certification** exam.
- Data Scientists trying to pass a FREE specialty exam.
- Software Developers curious to learn advanced Graph Algorithms.
- Neo4j Professionals looking to acquire new skills in graph databases.
- All those looking for a higher score at the free online exam.
- People with not enough time for long hands-on labs and courses.

You need some prior fundamental knowledge on Neo4j and Cypher. Use the excellend Neo4j recommended online materials to learn more.

Check also the interactive version of this e-book as an Udemy course, with the **Neo4j Graph Data Science Certified - Practice Exams** title.

This book contains two original practice tests with 40 questions each, similar to the exam questions for the Neo4j Graph Data Science free online certification

- Questions are similar and close to those found in the new online exam.
- This is not a brain dump, but the very similar questions will help you understand the concepts behind.
- In a separate section, you get explanations for each answer, with external references, and important hints.
- The real exam is very similar to each practice test here: **40 total questions, in max 60 minutes, 80% passing score**.
- The exact same categories as in the online exam: **Library (around 20%) + Workflow (35%) + Algorithm (45%)**.
- All Library questions are first, followed by Workflow questions, and ending up with Algorithm questions.

Why not just trying directly the free online exam, until you pass

- Because you can try only once a day the real online exam.
- Because the high number of multi-answer questions and the gotcha tricks may give you no idea what went wrong.
- Because it is time consuming and you can easily get stuck at the same low scoring mark.
- Because you may want to get a better passing score, as long as it appears on your issued certificate.
- Because we only focus here on passing this certification exam with a high score, and we may skip areas not really required.
- Because - unlike our tests - the Neo4j courses and documentation are nothing like the real life actual exam.

How you should use these tests

- Try the first practice test at your own pace. Write down each question number and the leter for your answer on a piece of paper.
- Do not worry about the time or if you fail the first time. Next time you'll do much better. And try staying within the 60 minutes limit as well this second time.
- Stop the exam anytime, if you're not patient enough to go over all 40 questions per test.
- Once done, go to the ***Answers and Explanations*** section, and check what you got right and wrong. The passing score should be at 80%.
- Read the detailed **Explanation** for each question. Many explanations have precious hints. Go through the links from **References** to learn more.
- Repeat with the second practice test. Don't skip it, as both these tests together cover most actual exam questions.
- Repeat these tests again and again, until you consistently score 90% or more on each. And then go for the real deal. *Good luck*!

Practice Test 1

Question 1:

Which is NOT considered a tier of maturity, for a Neo4j GDS algorithm? (select one)

A) Production-quality
B) Test-quality
C) Alpha
D) Beta

Question 2:

What kind of GDS algorithm result data can be returned in a row? (check all that apply)

A) One node ID with a related computed value.
B) One node object a related computed value.
C) Two node IDs with a related computed value.
D) One or more relationships with a related computed value.

Question 3:

Which Neo4j library contains most of the graph algorithms required at this exam? (select one)

A) Graph Algorithms
B) Graph Data Science
C) GraphQL
D) APOC

Question 4:

Which is NOT a common GDS algorithm configuration parameter? (select one)

A) maxConcurrency
B) seedProperty
C) mutateProperty
D) maxIterations

Question 5:

What kind of specific projection is created by `gds.graph.create()`? (select one)

A) A graph projection.
B) A Cypher projection.
C) A native projection.

Question 6:

Which is NOT a GDS graph catalog command? (select one)

A) gds.graph.delete
B) gds.graph.list
C) gds.graph.exists
D) gds.graph.create

Question 7:

Which is NOT a Neo4j GDS algorithm execution mode? (select one)

A) statistics
B) stream
C) mutate
D) write

Question 8:

What are some practical use cases for using graph algorithms? (check all that apply)

A) Machine learning applications.
B) Grouping users in a telecommunications network.
C) Optimizing the routing of services in a dynamic network architecture.
D) Analyzing the result of a flight delay on a network of flights.

Question 9:

What tool is available to you for visually exploring a graph? (select one)

A) Neo4j Viewer
B) Neo4j Bloom
C) Neo4j Explorer
D) Neo4j Graph Explorer

Question 10:

What is the purpose of `gds.graph.writeNodeProperties`? (select one)

A) Stores mutated properties back to Neo4j.
B) Stored Neo4j properties in the graph projection.
C) Updates some node properties with new values.