

Udemy - Tips for exam

"You cannot prepare enough for this exam"

More Preparation Resources

Practice Exams (including Amazon's)

The screenshot shows the interface for the 'AWS Certified Machine Learning Specialty Practice Exam' on Udemy. At the top, it states '65 questions | 3 hours | 75% correct required to pass'. Below this, there is a paragraph explaining that the exam simulates the real AWS Certified Machine Learning Specialty exam experience. It mentions that the number of questions, the breakdown of topics, and the format are similar to the real thing. It also notes that while some questions might sound similar, they are not the same, and users should not automatically select the same answer they remember from this practice exam. A second paragraph states that the actual exam is timed and users will have 3 hours with no breaks to complete it. Below the text, there are instructions: 'You can pause the test at any time and resume later.', 'You can retake the test as many times as you would like.', and 'The progress bar at the top of the screen will show your progress as well as the time remaining in the test.' At the bottom of the page, there is a section titled 'About this course' which says 'Test your readiness for the newest, toughest AWS certification (MLS-C01) with a full-length, realistic practice exam.'

AWS Certified Machine Learning Specialty
Practice Exam

65 questions | 3 hours | 75% correct required to pass

Simulate the real AWS Certified Machine Learning Specialty exam experience. You'll encounter the same number of questions, the same breakdown of topics, and a similar format to the real thing. Your ability to pass or fail this exam should be a good indicator of your readiness for the real thing.

When taking the real exam, some questions might sound similar to some of these practice questions, since they cover the same material. But they are not the same. If you see a question on the real exam that looks familiar, don't automatically select the same answer that you remember from this practice exam. Odds are the question is actually a little different, and has a different answer.

The actual exam is timed and you will have 3 hours, with no breaks, to complete it. You should find that 3 hours is more than sufficient, so take your time and read each question and possible answer carefully.

Instructions:

- You can pause the test at any time and resume later.
- You can retake the test as many times as you would like.
- The progress bar at the top of the screen will show your progress as well as the time remaining in the test.

Skip test Begin test > ⚙️ 🔍 📄

Bookmarks Announcements

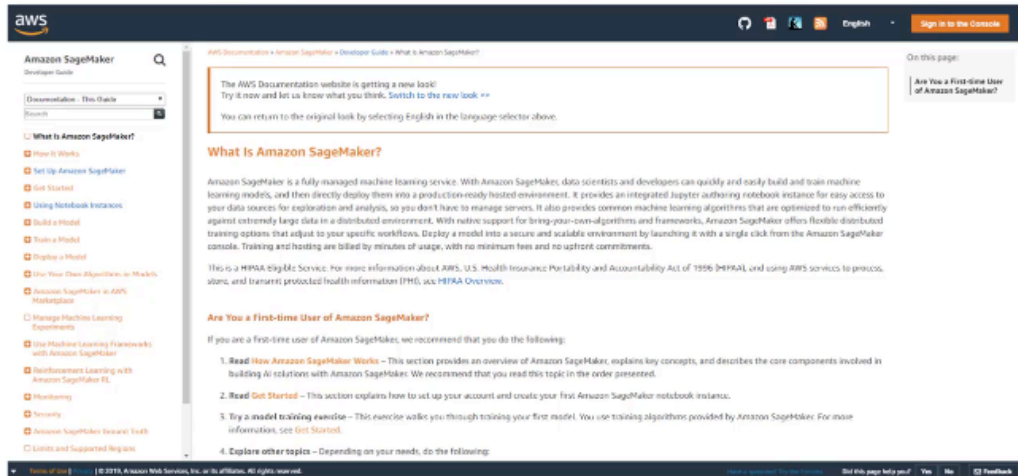
About this course

Test your readiness for the newest, toughest AWS certification (MLS-C01) with a full-length, realistic practice exam.

Take the 1 hour practice exam from Amazon (cost \$40)
=> good ways to know readiness for exam

SageMaker Developer Guide

<https://docs.aws.amazon.com/sagemaker/latest/dg/>



Amazon's Exam Guide

<https://aws.amazon.com/certification/certified-machine-learning-specialty/>



AWS Certified Machine Learning—Specialty (MLS-C01) Exam Guide

Introduction

The AWS Certified Machine Learning—Specialty (MLS-C01) exam is intended for individuals who perform a Development or Data Science role. This exam validates an examinee's ability to build, train, tune, and deploy machine learning (ML) models using the AWS Cloud.

It validates an examinee's ability to design, implement, deploy, and maintain ML solutions for given business problems. It will validate the candidate's ability to:

- Select and justify the appropriate ML approach for a given business problem.
- Identify appropriate AWS services to implement ML solutions.
- Design and implement scalable, cost-optimized, reliable, and secure ML solutions.

Recommended AWS Knowledge

The successful candidate likely has one to two years of hands-on experience developing, architecting, or running ML/deep learning workloads on the AWS Cloud, along with:

- The ability to express the intuition behind basic ML algorithms
- Experience performing basic hyperparameter optimization
- Experience with ML and deep learning frameworks
- The ability to follow model training best practices
- The ability to follow deployment and operational best practices

Exam Preparation

These training courses and materials may be helpful for examination preparation:

AWS Training (aws.amazon.com/training)

- Big Data on AWS: 3-day instructor-led live course
- Deep Learning on AWS: 1-day instructor-led live course

Other Materials

- Machine Learning on AWS web-page
- Amazon Machine Learning Concepts document
- Getting Your Data document
- Types of Machine Learning Models document
- Data Transformation document
- Customer and Machine Learning on AWS video
- AWS re:Invent Machine Learning talk video

Amazon's Sample Questions



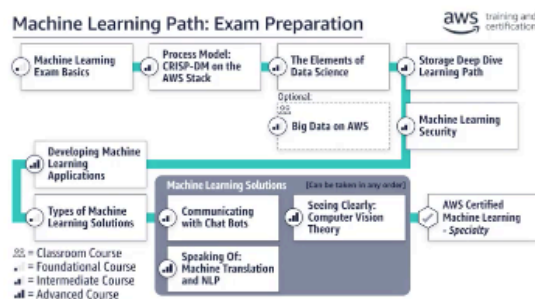
Machine Learning - Specialty (MLS-C01) Sample Exam Questions

- 1) A Machine Learning team has several large CSV datasets in Amazon S3. Historically, models built with the Amazon SageMaker Linear Learner algorithm have taken hours to train on similar-sized datasets. The team's leaders need to accelerate the training process.
- What can a Machine Learning Specialist do to address this concern?
- A. Use Amazon SageMaker Pipe mode.
 - B. Use Amazon Machine Learning to train the models.
 - C. Use Amazon Kinesis to stream the data to Amazon SageMaker.
 - D. Use AWS Glue to transform the CSV dataset to the JSON format.
- 2) A term frequency-inverse document frequency (tf-idf) matrix using both unigrams and bigrams is built from a text corpus consisting of the following two sentences:
1. Please call the number below.
2. Please do not call us.
- What are the dimensions of the tf-idf matrix?
- A. (2, 16)
 - B. (2, 8)
 - C. (2, 10)
 - D. (8, 10)
- 3) A company is setting up a system to manage all of the datasets it stores in Amazon S3. The company would like to automate running transformation jobs on the data and maintaining a catalog of the metadata concerning the datasets. The solution should require the least amount of setup and maintenance.
- Which solution will allow the company to achieve its goals?
- A. Create an Amazon EMR cluster with Apache Hive installed. Then, create a Hive metastore and a script to run transformation jobs on a schedule.
 - B. Create an AWS Glue crawler to populate the AWS Glue Data Catalog. Then, author an AWS Glue ETL job, and set up a schedule for data transformation jobs.
 - C. Create an Amazon EMR cluster with Apache Spark installed. Then, create an Apache Hive metastore and a script to run transformation jobs on a schedule.
 - D. Create an AWS Data Pipeline that transforms the data. Then, create an Apache Hive metastore and a

Amazon's learning path

- <https://aws.amazon.com/training/learning-paths/machine-learning/exam-preparation/>

This learning path is designed specifically for individuals preparing to take the AWS Certified Machine Learning - Specialty exam. In addition to these self-paced digital training courses, we recommend one or more years of hands-on experience using machine learning (ML) services on AWS.



This path may go through a LOT of details - a good path but some of the low level stuff/details may not show up for the exam

Consider taking the Big Data / Data Analytics Exam first



Big Data should be taken first if you consider taking both specialty exams

Test-Taking Strategies

Sitting for the exam

- 3 hours! (170 minutes technically)
 - But you'll probably only need a little over 2.
 - 65 questions
 - TAKE THE TIME TO FULLY UNDERSTAND THEM
- Use the flag capability
 - You'll have time to go back and double check things.
- You can't bring anything into the room
 - You'll be given note paper or dry-erase board, earplugs, and that's it.
- Schedule smartly
 - As soon as possible after you've mastered the practice exams
 - Choose a time of day that matches your highest energy level – you need stamina
 - Remember different testing providers may have different availability



Seating 3 hours straight

Probably need a little bit over 2 hours (2h15)

=> plenty of time. No need to rush through it

65 questions. Need 75% or more to pass

READ, UNDERSTAND the questions. Some details are important.
Use the flag icon to go back to the questions and check them later on
Though usually the first answer we come up with is usually better

Prepare

- Use the bathroom before you head in
- Eat something (but not right beforehand)
- Get a good night's sleep
- Review things you need to memorize before going in
 - Recall, Precision, F1
 - Regularization techniques
- Be alert
 - Whatever works for you...
- Make sure you're ready
 - You've got \$300 on the line
 - Take the practice exams! Repeatedly!



Strategies

- Don't rush
 - For each question, take the time to understand:
 - What you are optimizing for
 - Requirements
 - The system as a whole
- Your pace should be about 2 – 2 ½ minutes per question
 - If you're taking longer, make your best guess, flag it and come back to it later
- Use the process of elimination
 - Even if you don't know the correct answer, you can often eliminate several.
- Keep calm
 - You're not going to get 100%. You don't have to.



