AWS Certified Machine Learning – Specialty

COURSE

Intro Video

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Training Architect

LENGTH	DIFFICULTY	VIDEOS
18:41:23	Advanced	97

HANDS-ON LABS	QUIZZES/EXAMS
8	1

Course Details

Welcome to Linux Academy's all new AWS Certified Machine Learning - Specialty prep course. This course prepares you to take the AWS Certified Machine Learning - Specialty (MLS-C01) certification exam. It also gives you the hands-on experience required to use machine learning and deep learning in a real-world environment.

This course starts off with coming to grips with Machine Learning (ML), Deep Learning (DL), and Artificial Intelligence (AI) terminology. After the theory comes the practice. You'll get hands-on with a number of ML frameworks and AWS services specific to the certification.

Course code and other resources can be found here:
https://github.com/linuxacademy/content-aws-mls-c01

Join the Linux Academy community Slack here: **http://slack.linuxacademy.com/** and specifically the #aws-mls-c01-2019 channel.

Syllabus

Course Introduction

Getting Started

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About the Training Architect	00:01:56
About the Exam	00:17:40

Machine Learning Fundamentals

Artificial Intelligence	00:04:33
What Is Machine Learning?	00:11:40

What Is Deep Learning?	00:06:47

Machine Learning and Deep Learning Theory

Machine Learning Concepts

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Machine Learning Lifecycle	00:13:52
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Optimization	00:09:38
Regularization	00:03:41
Hyperparameters	00:05:21
Validation	00:04:09

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Feature Selection and Engineering	00:10:04
Principal Component Analysis (PCA)	00:10:23
Missing and Unbalanced Data	00:11:23
Label and One Hot Encoding	00:04:35
Splitting and Randomization	00:03:44
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Machine Learning Algorithms

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Latent Dirichlet Allocation (LDA) Algorithm	00:08:52

Deep Learning Algorithms

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AWS

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Amazon ML	00:02:03

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Amazon SageMaker

Introduction

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Build

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Create a custom API for inference - Part 2 (Pinehead NotPinehead)	00:11:51

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Course Conclusion

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How to Prepare	00:07:07
AWS Certified Machine Learning–Specialty (MLS-C01) Final Practice Exam	02:30:00

Thank You

Goodbye!	00:04:37

Course Features

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