DeepLearning.AI

Machine Learning in Production

Instructor: <u>Andrew Ng</u> **Top Instructor**

Enroll for free
Starts Nov 21

152,238 already enrolled

3 modules
Gain insight into a topic and learn the fundamentals.

4.8 ⭐
(3,329 reviews)

Intermediate level
Recommended experience ⓘ

Flexible schedule
1 week at 10 hours a week
Learn at your own pace

👍 98%
Most learners liked this course

What you'll learn

✓ Identify key components of the ML project lifecycle, pipeline & select the best deployment & monitoring patterns for different production scenarios.

✓ Optimize model performance and metrics by prioritizing disproportionately important examples that represent key slices of a dataset.

✓ Solve production challenges regarding structured, unstructured, small, and big data, how label consistency is essential, and how you can improve it.

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Data Pipelines   Continuous Deployment   Software Development Life Cycle   Machine Learning

Application Deployment   MLOps (Machine Learning Operations)   Data Quality

Feature Engineering   Data Validation   Applied Machine Learning   Continuous Monitoring

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Details to know

in

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Assessments

6 assignments

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There are 3 modules in this course

In this Machine Learning in Production course, you will build intuition about designing a production ML system end-to-end: project scoping, data needs, modeling strategies, and deployment patterns and technologies. You will learn strategies for addressing common challenges in production like

Read more

Module 1 • 3 hours to complete

This week covers a quick introduction to machine learning production systems focusing on their requirements and challenges. Next, the week focuses on deploying production systems and what is needed to do so robustly while facing constantly changing data.

What's included

▶ 8 videos   📖 3 readings   📋 2 assignments   ⊡ 1 app item

▣ 2 ungraded labs

Show info about module content ⌄

Week 2: Modeling Challenges and Strategies

Module 2 • 3 hours to complete

Module details ∧

This week is about model strategies and key challenges in model development. It covers error analysis and strategies to work with different data types. It also addresses how to cope with class imbalance and highly skewed data sets.

What's included

G Google Cloud

Production Machine Learning Systems

Course

I IBM

AI Workflow: AI in Production

Course

S Starweaver

GenAI Model Development and Production Engineering

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Data and Machine Learning for Technical Product Managers

Course

Felipe M.
Learner since 2018

"To be able to take courses at my own pace and rhythm has been an amazing experience. I can learn whenever it fits my schedule and mood."

★ **4.8** 3,329 reviews

5 stars	████████████████	84.03%
4 stars	███	13.02%
3 stars	▪	1.89%
2 stars	▪	0.75%
1 star	▪	0.30%

PK
★ 5 · Reviewed on Jan 9, 2023

Excellent course! Andrew Ng is an exceptional human being. His teaching skill are impeccable and you as a student actually are interested in what he's telling you and learn more.

EW

⭐ **5** · Reviewed on Nov 16, 2024

I learned many new perspective on how I can build my machine learning product and some pitfalls that could happen. It gives me fundamental on how do I design my product

NN

⭐ **5** · Reviewed on Jul 12, 2021

Introduces you to the basics of MLOps in a well paced mannar. Would request to add more examples of structured data sets, as many companies usually are dealing with the related problems.

View more reviews

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⌄ What is machine learning engineering for production? Why is it relevant?

⌄ What is the Machine Learning in Production Course about?

⌄ What will I be able to do after completing the Machine Learning in Production course?

Show all 16 frequently asked questions ⌄

⑦ **More questions**

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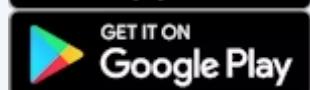
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