

Filter

- ☰ Data characteristics (10 min)
- ☰ Labels (10 min)
- ☰ Imbalanced datasets (10 min)
- ☰ Dividing the original dataset (10 min)
- ☰ Transforming data (5 min)
- ☑ **Generalization (5 min)**
- ☰ Overfitting (10 min)
- ☰ Model complexity (10 min)
- ☰ L2 regularization (10 min)
- ☰ Interpreting loss curves (10 min)
- ☑ Test your knowledge (10 min)
- ➡ What's next

Advanced ML models

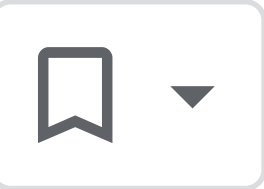
- Neural networks (75 min)
- Embeddings (45 min)
- Large language models (LLMs) (45 min)



Home > Products > Machine Learning > ML Concepts > Crash Course

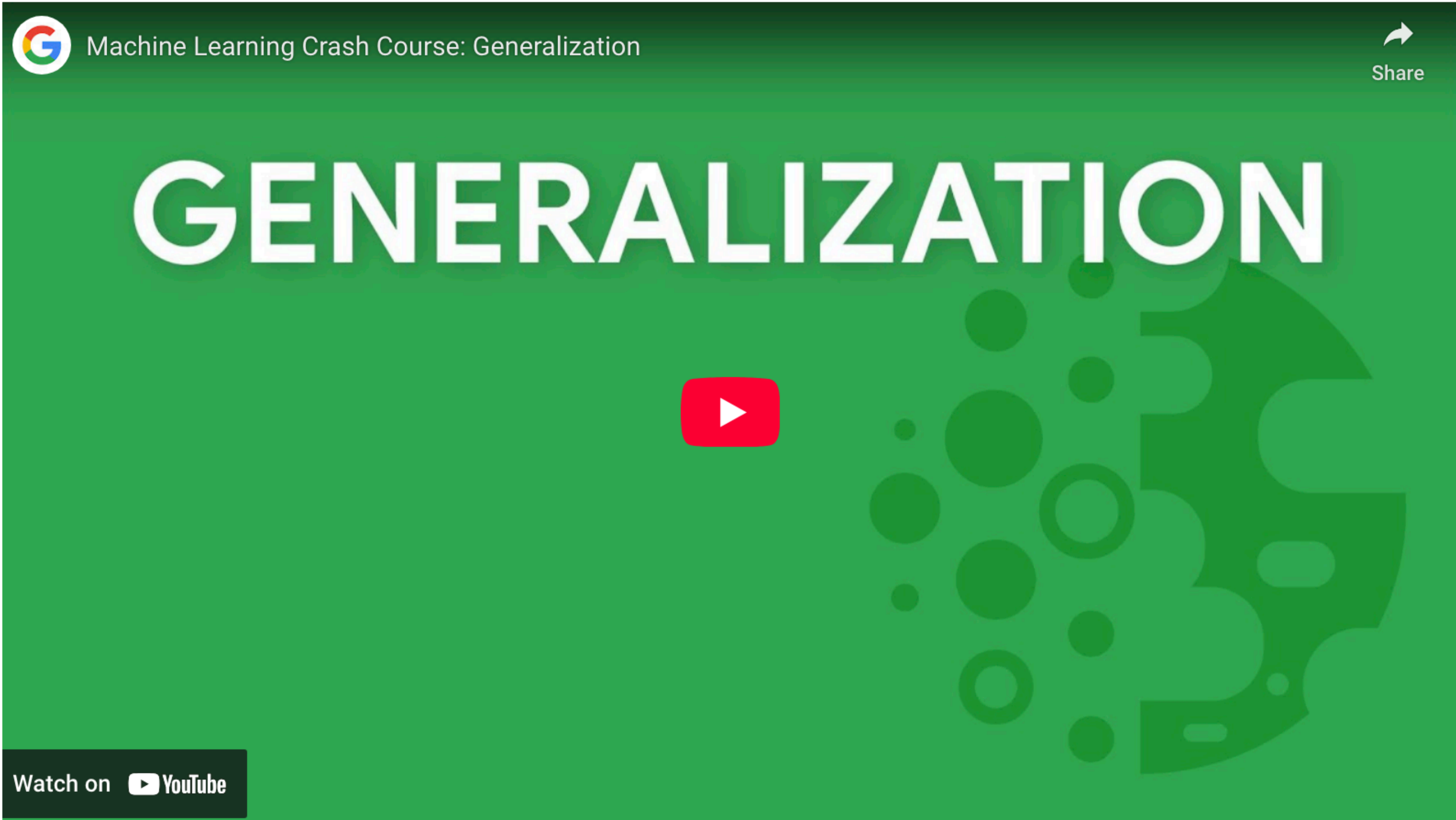
Was this helpful? 👍 🗨

Generalization



Send feedback

Watch the video below to learn about a common problem ML practitioners face when training a model on their training dataset.



Help Center

Previous



Transforming data (5 min)

Next

Overfitting (10 min)



Was this helpful?



Send feedback

Except as otherwise noted, the content of this page is licensed under the [Creative Commons Attribution 4.0 License](#), and code samples are licensed under the [Apache 2.0 License](#). For details, see the [Google Developers Site Policies](#). Java is a registered trademark of Oracle and/or its affiliates.

Last updated 2024-12-04 UTC.

Connect

Blog

Instagram

LinkedIn

X (Twitter)

YouTube

Programs

Google Developer Groups

Google Developer Experts

Accelerators

Women Techmakers

Google Cloud & NVIDIA

Developer consoles

Google API Console

Google Cloud Platform Console

Google Play Console

Firebase Console

Actions on Google Console

Cast SDK Developer Console

Chrome Web Store Dashboard

Google Home Developer Console

Google for Developers

Android

Chrome

Firebase

Google Cloud Platform

Google AI

All products

Terms | Privacy

Sign up for the Google for Developers newsletter

Subscribe

🌐 English ▾



Info



Chat



API