

Start Lab

01:52:30

Classify Images with TensorFlow Convolutional Neural Networks

Lab 1 hour 15 minutes No cost Intermediate



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Google Cloud Self-Paced Labs

Lab instructions and tasks

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Overview

Objectives

Setup and requirements

Task 1. Enable Google Cloud services

Task 2. Open Vertex Notebook instance

Task 3. Navigate to lab notebook

Congratulations!



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[tensorflow/convolutional-neural-networks/](#)

2. Open **CLS_Vertex_AI_CNN_fmnist.ipynb**.

Name		Last Modified
 CLS_Vertex_AI_CNN_fmnist.ipynb		2 minutes ago

3. Continue the lab in the notebook, and run each cell by clicking the **Run** (▶) icon at the top of the screen. Alternatively, you can execute the code in a cell with **SHIFT + ENTER**.

Read the narrative and make sure you understand what's happening in each cell.

In order to view the status of training and deployment on Vertex AI, you can follow the instructions in the notebook containing illustrations.

Check your progress on notebook

Create a Cloud Storage Bucket

Click *Check my progress* to verify whether the bucket is created.

	Create a Cloud Storage Bucket
	Check my progress

Train the Model on Vertex AI

Click *Check my progress* to verify the objective.

	Train the Model on Vertex AI
	Check my progress

Deploy the Model

Click *Check my progress* to verify the objective.

	Deploy the Model
	Check my progress

Congratulations!

This concluded the self-paced lab, Classify Images with TensorFlow Convolutional Neural Networks. You launched the convolutions notebook and explored convolutions and pooling.

[Next steps / learn more](#)

- Learn more about [TensorFlow convolutional neural networks](#).
- Read about [Creating art through a Convolutional Neural Network](#).
- Wonder how AI is being used, see [How Moorfields is using AutoML to enable clinicians to develop machine learning solutions](#) or [How Google Cloud's AI has boosted Netmarble's team collaboration, game development and consumer reach](#).

Google Cloud training and certification

...helps you make the most of Google Cloud technologies. [Our classes](#) include technical skills and best practices to help you get up to speed quickly and continue your learning journey. We offer fundamental to advanced level training, with on-demand, live, and virtual options to suit your busy schedule. [Certifications](#) help you validate and prove your skill and expertise in Google Cloud technologies.

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