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What do you want to learn?







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Week 3

Custom and Distributed Training with TensorFlow

Week 3

Discuss the topic here.

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Graph Mode





This week, you'll learn about the benefits of generating code that runs in "graph mode". You'll take a peek at what graph code looks like, and you'll practice generating this more efficient code automatically with TensorFlow's tools, so that you don't have to write the graph code yourself!

∧ Less

Learning Objectives

- · Describe when graph mode code is preferred over eager mode code
- Use decorators and tf.autograph to convert code into graph based code

AutoGraph

▶ Video: Benefits of graph mode 3 min

- ▶ Video: Generating graph code 4 min
- Reading: Reference: Fizz Buzz 10 min
- ▶ Video: AutoGraph Basics code walkthrough 5 min
- Lab: AutoGraph Basics 1h

Creating Graphs for Complex Code

- ▶ **Video:** Control dependencies and flows 4 min
- ▶ Video: Loops and tracing variables 4 min
- ▶ Video: AutoGraph code walkthrough 11 min
- Lab: AutoGraph 1h

Week 3 Quiz: Autograph

Quiz: AutoGraph 6 questions Due Mar 29, 1:59 AM CDT

Assignment: AutoGraph Programming Assignment: Horse or Human? 2h Due Mar 29, 1:59 AM CDT

