



Introduction to Trading,
Machine Learning & GCP
Google Cloud, New York Institute
of Finance

Overview

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Grades

Notes

Discussion Forums

Week 4

Introduction to Trading, Machine Learning & GCP

Week 4

Discuss this week's modules here.

728 threads · Last post 3 hours ago

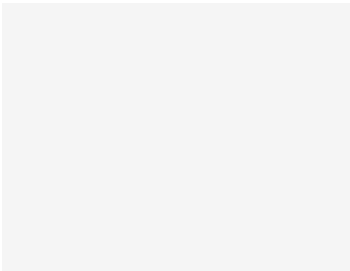
[Go to forum](#)**Introduction to Neural Networks and Deep Learning**

In this module you'll learn about neural networks and how they relate to deep learning. You'll also learn how to gauge model generalization using regularization, and cross-validation. Also, you'll be introduced to Google Cloud Platform (GCP). Specifically, you'll be shown how to leverage GCP for implementing trading techniques.

[^ Less](#)**Learning Objectives**

- Understand neural networks and how they're related to deep learning.
- Learn how to deal with overfitting using regularization, and using cross-validation to test models.
- Understand the benefits of using AI Platform Notebooks.
- Understand how Google Cloud Platform can be used for implementing trading strategies.

[^ Less](#)**Deep Learning** **Video:** Short history of ML: Neural Networks 7 min[Resume](#) **Video:** Short history of ML: Modern Neural Networks 8 min **Discussion Prompt:** Applying ML to Winter Ski Resort Problem 10 min **Reading:** Example BigQuery ML DNN code 10 min**Model Generalization** **Video:** Overfitting and Underfitting 6 min **Video:** Validation and Training Data Splits 4 min **Practice Quiz:** Model generalization 1 question**Course Recap**



Quiz: Recap Quiz 3 questions

Due Mar 1, 1:59 AM CST



Video: Course Recap + Preview of next course 1 min

