Using Machine Learning in Trading and Finance New York Institute of Finance, Google Cloud

Overview

Week 1

Week 2

Week 3

Week 4

Grades

Notes

Discussion Forums

Week 1

Using Machine Learning in Trading and Finance

Week 1

Discuss the topic here.

45 threads · Last post a month ago

Go to forum

Introduction to Quantitative Trading and TensorFlow





In this module we discuss the key components that are common to every trading strategy, no matter how complex. This foundation will help guide you as you develop more advanced strategies using machine learning techniques.

Learning Objectives

- Identify the different types of entries and exits in trading strategies
- Distinguish between exogenous and endogenous trading rules
- Construct a basic trading strategy



Introduction to TensorFlow, Trading, ML

▶ **Video:** Introduction to Course 6 min

Resume

Reading: Welcome to Using Machine Learning in Trading and Finance 10 min

Understand Quantitative Trading Strategies

- **Video:** Basic Trading Strategy Entries and Exits Endogenous Exogenous 7 min
- ▶ Video: Basic Trading Strategy Building a Trading Model 2 min
- ▶ **Video:** Advanced Concepts in Trading Strategies 6 min
- Quiz: Understand Quantitative Strategies 4 questions Due Feb 15, 1:59 AM CST

Introduction to TensorFlow





Learning Objectives

- Build a machine learning model using the TensorFlow Estimator API
- Use the tf.data API for building a data pipeline for training
- Understand the TensorFlow API hierarchy





