

Course link: <https://www.udemy.com/course/ai-finance>

Get a coupon at: <https://lazyprogrammer.me>

Financial Basics

Understanding Financial Data

<https://colab.research.google.com/drive/17gj0qsGARnpNEA8JPvHGC-68CvSIYa6x>

Adjusted Close

<https://colab.research.google.com/drive/1891k1J8JEYF-G3DdaMOKhXyS-OBRhNsz>

Financial Data Statistics

https://colab.research.google.com/drive/197Negl0893WUrLsTc2l6qp_P5JVjXPVe

Alpha and Beta

<https://colab.research.google.com/drive/1KNCiKmilCHCxim8MfAIDJ0ZnEr4shv9P>

Time Series Analysis

SMA

https://colab.research.google.com/drive/1xzV9700UvaoRkCD1QoL6R8_XdX1tW1In

EWMA and Holt-Winters

<https://colab.research.google.com/drive/1oCx4z3cNu7r0GxUYrojfnZMJbnsjQxr>

ARIMA

<https://colab.research.google.com/drive/1wHr16MEr4rxSDAihxeTNFod1oTpBESI>

Stationarity

https://colab.research.google.com/drive/1Ujf_QN2CvL6pu4UIIW-12ORN54TF5dZO

PACF and ACF

<https://colab.research.google.com/drive/1ZPJdPT8m6cDehxfAXbYdOmUMH2x8xy9J>

ARIMA 2

<https://colab.research.google.com/drive/1jICrCmJjVNylpToAXkLEVkky1IN3PRUN>

ARIMA 3

https://colab.research.google.com/drive/11f0w_ab57kBoVbl46BT025t5S5TtT63g

ACF/PACF Stock Returns

https://colab.research.google.com/drive/1QAHS72_JOhtcnKBYUIZ6xMvHBWu4LeZS

Portfolio Optimization

2 Stock Portfolio

<https://colab.research.google.com/drive/1d0qmkxR3fwcBmLi4v0-zNOVNwYOk65J2>

Portfolio Optimization

<https://colab.research.google.com/drive/1CADi8vj-NXfsM93kmVba8i22wJObUkOQ>

Algorithmic Trading

Trend Following Strategy SMA

<https://colab.research.google.com/drive/14abCXVL2SXJG2ip0uyIccnW8eRJU3qrP>

Regression-Based Strategy 0-1

<https://colab.research.google.com/drive/1O6NuN4Gp8pLf7pGeRCf73QzSHGMPtopc>

Reinforcement Learning

Trend-Following Revisited

<https://colab.research.google.com/drive/1I5zO3kxjrPjZMx6vW9IhC-7OIYUboA5l>

Q-Learning Trader

https://colab.research.google.com/drive/1I0Ruzbpj542YWoFv_sz4uR5lt3ScPmg

Statistical Factor Models

PCA

<https://colab.research.google.com/drive/1vX1T-0HtAvEIDTcl9aBAbi1GwftpGD8e>

Regime Detection and Sequence Modeling with Hidden Markov Models

Hidden Markov Model

https://colab.research.google.com/drive/1mL0jTLXawavvdP5_TviB0NnRwN1v1ejE