

Stock Technical Analysis with Python

Section 4: Stock Trading Strategies

Course Disclaimer

- **Course Objective.** This course has an educational and informational purpose and doesn't constitute any type of trading or investment advice. All content, including code and data, is presented with no guarantee of exactness or completeness.
- **Investment Risk and Uncertainty.** All course content and conclusions are based on hypothetical historical back-testing and not real trading with the possibility of future outliers not previously observed within these time series. Past performance doesn't guarantee future returns. Investment risk and uncertainty can possibly lead to its total loss for unleveraged products and even larger for leveraged ones.
- **Responsibility Disclaimer.** The instructor is not responsible for any damages caused by using course content for trading or investment decisions; exclusively transferring all this responsibility to the student. Recommending that the student does own due-diligence based on several scenarios, assumptions and consult a certified financial advisor before taking any trading or investment decision.
- **Non-endorsement.** The instructor doesn't endorse any particular trading strategy and associated stock or investment vehicle. Some are from recent inception and haven't been exposed to a major market correction. Investment vehicles have risk considerations such as liquidity, tracking error, replicating index unpredictability, note issuer credit risk, among others. Therefore, recommending again student does own due-diligence and consult a certified financial advisor before taking any trading or investment decision.

Stock Trading Strategies

- **Stock trading strategies** are calculated using single or multiple indicators trading signals. This leads to strategies being long (buying) or short (selling) of the corresponding stock.
- **Loop:** For i in n :
 - If Trading Signal = 1: Trading Strategy = 1
 - Else-if Trading Signal = -1: Trading Strategy = 0
 - Else: Trading Signal = 0: Trading Strategy = Previous Trading Strategy