Project has two tracks -

1.⁠ ⁠Build a python based backtesting program thats capable of researching multiple strategies in less time.

2.⁠ ⁠or - Host this programme on the web

Quant Backtesting Resources

# Basics of market

* [~~https://corporatefinanceinstitute.com/resources/wealth-management/stock-market/~~](https://corporatefinanceinstitute.com/resources/wealth-management/stock-market/)
* [~~What Is Volume of a Stock, and Why Does It Matter to Investors?~~](https://www.investopedia.com/terms/v/volume.asp#:~:text=Volume%20is%20the%20amount%20of,its%20daily%20open%20and%20close)
* [~~Close: What it Means, How it Works, After Hours~~](https://www.investopedia.com/terms/c/close.asp)
* [~~Opening Price: Definition, Example, Trading Strategies~~](https://www.investopedia.com/terms/o/openingprice.asp#:~:text=The%20opening%20price%20is%20the,is%20its%20daily%20opening%20price)

# Intro to Qaunt Finance

* [~~https://blog.quantinsti.com/financial-markets-introduction/~~](https://blog.quantinsti.com/financial-markets-introduction/)
* [~~https://blog.quantinsti.com/introduction-trading/~~](https://blog.quantinsti.com/introduction-trading/)
* [~~https://blog.quantinsti.com/algorithmic-trading/~~](https://blog.quantinsti.com/algorithmic-trading/)
* [~~Beginner's Guide to Quantitative Trading | QuantStart~~](https://www.quantstart.com/articles/Beginners-Guide-to-Quantitative-Trading/)
* [~~Modules – Varsity by Zerodha~~](https://zerodha.com/varsity/modules/) ~~- Chapter 1 and 2~~

# Python

* <https://www.quantconnect.com/learning/articles/introduction-to-financial-python> - upto chapter 6
* [Yves Hilpisch - Python for Finance\_ Mastering Data-Driven Finance Book-O'Reilly (2018).pdf](https://drive.google.com/file/d/1En2dHNUFSk9hj-n_rNhL2btAQWMO75bn/view?usp=drive_link) - 3,4,5,6,15 (Chapter 15 implement)

# Alphas for strategies

* <https://www.quantconnect.com/tutorials/strategy-library> - read up about mean reversion, momentum, pair trading and then others
* [A Quantitative Approach to Building Trading Strategies (1).pdf](https://drive.google.com/file/d/1rfFep7rHOHaaFM9SjLyveqAGOi3GfW7W/view?usp=drive_link),<https://x.com/i/events/1539482> [724125200384](https://x.com/i/events/1539482724125200384) - Ch 1,2,4,5

# Assignmnets

* [~~Assignment 1\_ Creating data\_fetch.pdf~~](https://drive.google.com/file/d/1MNz0zvgcjWveyXPVbMna8Gfz7KZnpmqL/view?usp=drive_link)
* [Group Assignment 1](https://docs.google.com/document/d/1MbgeBrzN_roHAD_NJyduV3y-cVFryUsrqoFqUC4J6ec/edit#heading=h.lo8ubut0aoag)
* [Group Assignment 2](https://docs.google.com/document/d/1lMAKrgExxKo8a5UFklT3ddWqTRQdVq-usm3hI5GPEmU/edit#heading=h.lo8ubut0aoag)

# Extras

<https://www.linkedin.com/company/quant-insider/posts/?feedView=all>