



## Stock Price Prediction

### Idea:

In this project, we will explore stock price prediction using computational finance techniques and machine learning models. This hands-on approach will allow you to apply theoretical concepts to real-world financial data, enhancing your practical skills.

### Why?:

Accurate stock price prediction can provide valuable insights for making informed investment decisions and risk management. By mastering these techniques, you will gain a competitive edge in the finance industry, where data-driven strategies are increasingly crucial.

### Tech-stack:

Python, Y-Finance, NumPy, Pandas, Seaborn, Predictive

**Model.**

Similar Idea:

**1. Predicting population -**

Using the past trends and the birth and death rate, we can predict the population of any country, state, city or a small region using various models.

**2. Prediction of projected return on mutual fund investment**

Using the past trends of the invested companies, we can predict the profit/loss in the stipulated time period over the amount invested at the beginning.