

DAA Course Project (Maximizing Stock Market)

Group 8, TY-CSAI

This application analyzes the last 25 days of stock market data using various algorithms to maximize profit. Upload your CSV file to begin the analysis.

Choose a CSV file

Drag and drop file here

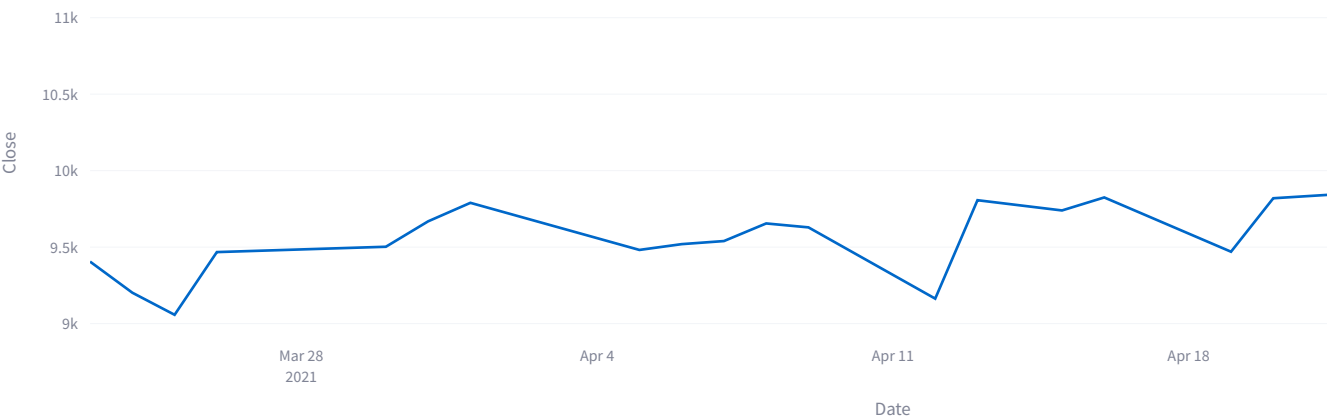
Limit 200MB per file • CSV

BAJAJFINSV.csv 383.2KB

Analyzing data from 2021-03-23 to 2021-04-30

Recent Stock Price Movement

Stock Price - Last 25 Days



Algorithm Analysis

- Kahane's Algorithm Analysis
- DP (Single Transaction) Analysis
- DP (Multiple Transactions) Analysis
- Greedy Approach Analysis

State Machine Analysis

Total Profit

Profit/Trade

Win Rate

Avg Ho

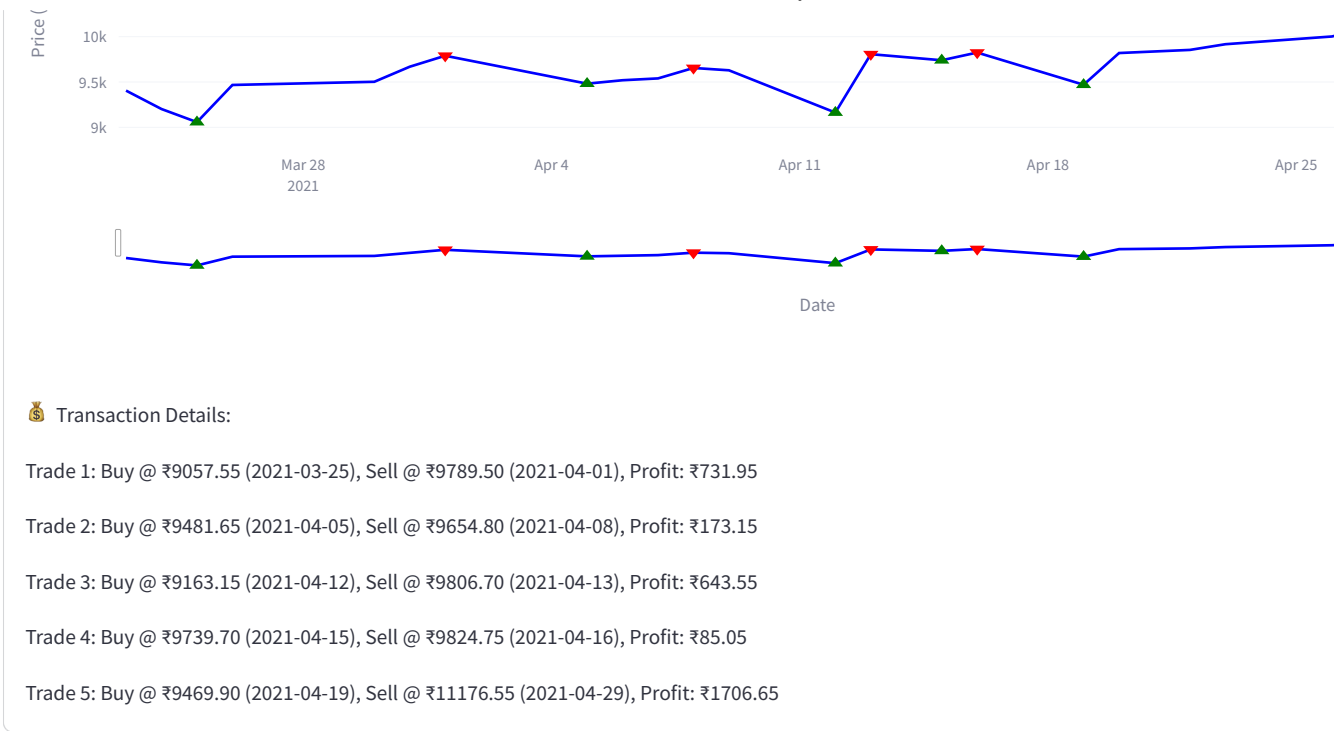
₹3340.35

₹668.07

100.0%

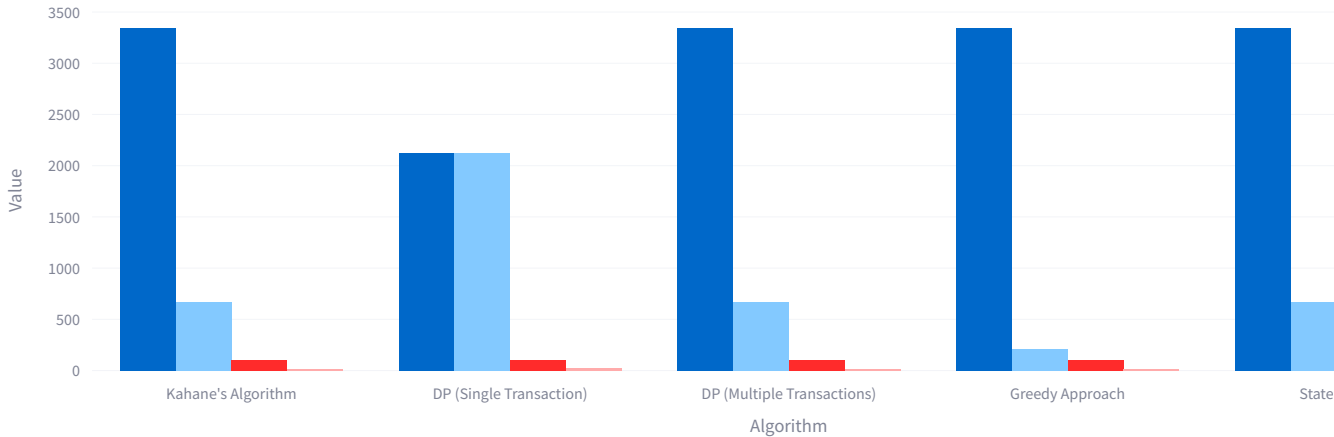
3.2

State Machine - Trading Points (Last 25 Days)



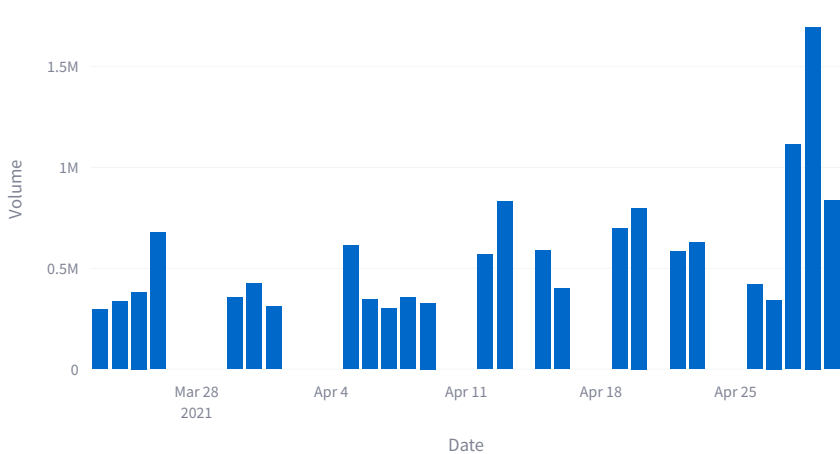
Algorithm Performance Comparison

Algorithm Performance Metrics Comparison



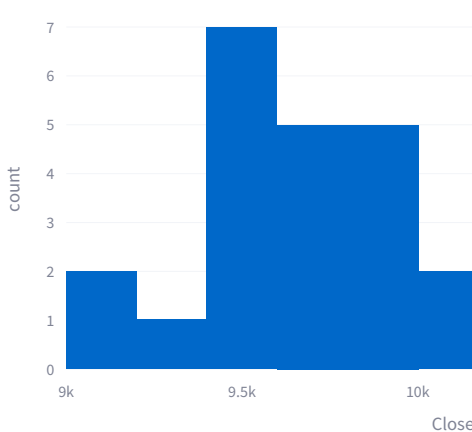
Volume Analysis

Trading Volume - Last 25 Days



Price Distribution

Price Distribution - Last 25 Days



Statistical Summary

	Close	Volume	VWAP
count	25	25	25
mean	9,772.48	568,875.2	9,751.184
std	505.5295	317,598.6842	481.0514
min	9,057.55	296,483	9,065.86
25%	9,481.65	344,125	9,501.23
50%	9,668.6	424,140	9,649.24
75%	9,853.85	678,636	9,824.26
max	11,176.55	1,696,498	11,081.78

Daily Returns Analysis

Daily Price Changes (%)

