Stock Data Analysis

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Project Overview

The project aims to track and analyze stock market performance using Excel and Power BI. There are involves creating a portfolio tracker, analyzing market trends, and visualizing data to inform investment decisions .this dashboard provides a comprehensive view of the stock's daily performance.

Key metrics include: Opening Price, Closing Price, High, Low, Volume, and 52-Week Range

Dataset Overview

This dataset appears to represent historical stock market data for Adani Enterprises Ltd., a major Indian conglomerate. It tracks the company's daily stock performance over a certain period, including trading prices, volumes, and financial indicators.

Software Used

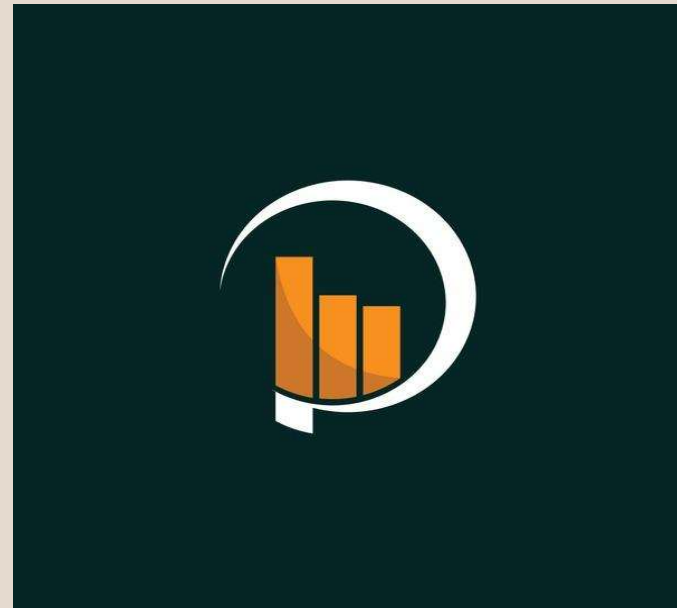### 1. MS OFFICE / EXCEL:

2. POWER BI :

Data Cleaning

	Date	Day	Month	Quarter	Year	series	OPEN	HIGH
	● Valid 100%	● Valid 100%	● Valid 100%	● Valid 100%	● Valid 100%	● Valid 100%	● Valid 100%	● Valid
	● Error 0%	● Error 0%	● Error 0%	● Error 0%	● Error 0%	● Error 0%	● Error 0%	● Error
	● Empty 0%	● Empty 0%	● Empty 0%	● Empty 0%	● Empty 0%	● Empty 0%	● Empty 0%	● Empty
	249 distinct, 249 unique	7 distinct, 1 unique	12 distinct, 0 unique	4 distinct, 0 unique	2 distinct, 0 unique	1 distinct, 0 unique	234 distinct, 220 unique	242 distinc
1	5/9/2024	Thursday	May	Q2	2024	EQ	2864.8	
2	5/8/2024	Wednesday	May	Q2	2024	EQ	2850	
3	5/7/2024	Tuesday	May	Q2	2024	EQ	2889.95	
4	5/6/2024	Monday	May	Q2	2024	EQ	2993.25	
5	5/3/2024	Friday	May	Q2	2024	EQ	3030	
6	5/2/2024	Thursday	May	Q2	2024	EQ	3071.95	
7	4/30/2024	Tuesday	April	Q2	2024	EQ	3094	
8	4/29/2024	Monday	April	Q2	2024	EQ	3110	
9	4/26/2024	Friday	April	Q2	2024	EQ	3119.9	
10	4/25/2024	Thursday	April	Q2	2024	EQ	3050	
11	4/24/2024	Wednesday	April	Q2	2024	EQ	3071.95	
12	4/23/2024	Tuesday	April	Q2	2024	EQ	3059	
13	4/22/2024	Monday	April	Q2	2024	EQ	3053	
14	4/19/2024	Friday	April	Q2	2024	EQ	3000	
15	4/18/2024	Thursday	April	Q2	2024	EQ	3125.15	
16	4/16/2024	Tuesday	April	Q2	2024	EQ	3101	
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Stock Performance

❑ Closing price trends show consistent fluctuations, reflecting market volatility.

❑ Trading volume spikes on specific dates indicate strong investor reaction (possibly to news or events).

❑ The 52-week high and low reveal a wide price range, signaling dynamic price movements.

❑ Overall, the stock shows active trading behavior with opportunities for short-term and long-term investors.

Results and Visuals

Overall Dashboard

Conclusion

❑ This dashboard helps us understand how the stock is performing. We can see when the price went up or down, and how many people were buying or selling each day.

Big changes in price or high trading volumes may be linked to news or important events. The difference between the highest and lowest price in the year shows that the stock can move a lot.

Overall, this helps us spot trends, understand investor behavior, and make better decisions based on real data—not guesses.

Thank You

Dashboard:https://app.powerbi.com/view?r=eyJrIjoiY2JkYTExNjMtNTZmMy00YmFjLWI2M2UtYTcyOGIyY2YxMTg3IiwidCI6IjFiOGQ5MjVhLTA3ZDQtNDdlNi1hODRlLTJmYWNiNjRlOTdhOSJ9

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