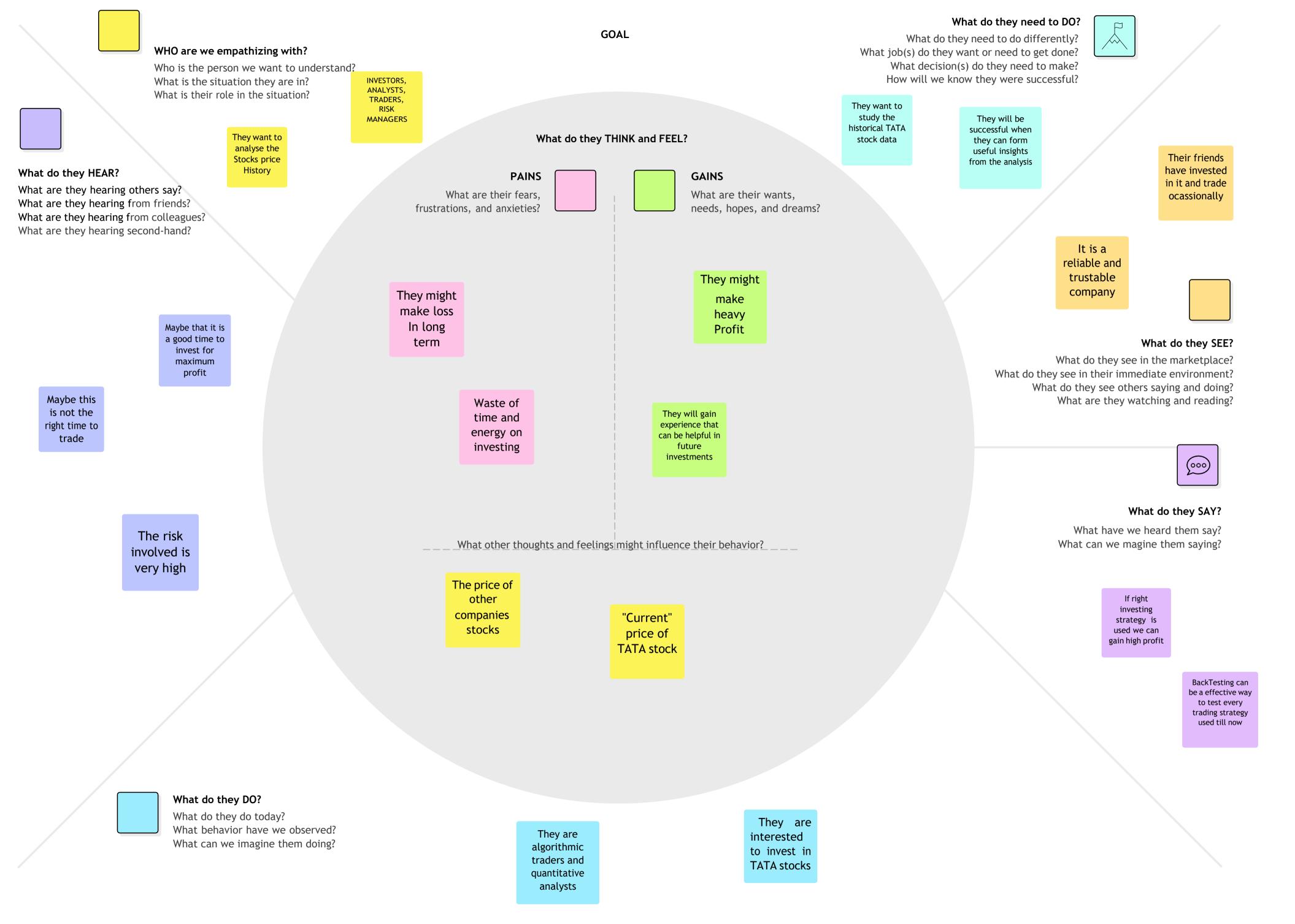


EMAPTHY AND BRAINSTORM MAP







Brainstorm

the Tata Power stock analysis project. Unleash ideas, strategies, and data-driven insights for a comprehensive understanding of Tata Power's stock performance

10 minutes to prepare 1 hour to collaborate 2 Persons in the team -Vishnu & Mrudul .

& idea prioritization

Use this template to collaborate with your team on your collective creativity to explore and visualize

Before vou collaborate

How can we utilize historical stock price data and Proper preparation sets the stage for success in our Tata Power stock analysis project. Here's what you financial metrics to gain insights into Tata Power's stock performance, identify influencing factors, and make dataneed to know to dive into this data-driven driven investment recommendations? journeyProper preparation sets the stage for success in our Tata Power stock analysis project. Here's what

⊕5 minutes

Team gathering

In preparation for our Tata Power stock analysis session, please identify key participants, extend invitations, and distribute relevant project information to ensure a productive collaboration.

you need to know to dive into this data-driven journey

Set the goal

Focus on understanding Tata Power's stock performance and its critical factors, such as historical trends, market influences, and financial indicators, as we embark on our project's brainstorming session.

Learn how to use the facilitation tools

Leverage our expertise in data analysis and visualization to

ensure a successful and insightful session for our Tata Power stock analysis project.

PROBLEM

How might we analyze historical stock performance data to identify patterns and trends for Tata Power, enabling better-informed investment decisions?

Define your problem statement

Key rules of brainstorming To run an smooth and productive session Stay in topic. Encourage wild ideas.

Defer judgment.

Go for volume.

If possible, be visual.

problem statement for the Tata Power stock analysis project.

→ 10 minutes

Please feel free to jot down any ideas

that come to mind which address our

Person 1

Brainstorm

Time Series Analysis: Implement time series analysis techniques to identify stock price trends and patterns over time. allowing us to make predictions and informed decisions.

Sentiment Analysis: Analyze news sentiment and social media data to gauge market sentiment and its impact on Tata Power's stock performance.

Comparative Analysis: Compare Tata Power's stock performance with industry benchmarks and peer companies to assess its relative strength and weaknesses.

Fundamental Analysis: Conduct a thorough fundamental analysis by examining financial reports, revenue trends, and dividend history to evaluate the company's financial health.

Technical Indicators: Utilize technical indicators and chart patterns to identify buy or sell signals and optimize the timing of investment decisions.

Machine Learning Models: Develop predictive models using machine learning algorithms to forecast future stock prices and assess the impact of various factors on stock performance.

Person 2

Group ideas

Collaboratively share your insights, ideas, and analysis approaches, while grouping similar or related thoughts. As we organize the sticky notes, provide each cluster with a meaningful label that captures the essence of the stock analysis aspect it represents. If a cluster appears extensive, consider breaking it down into more specific sub-groups for a detailed exploration.

① 20 minutes

Data Collection Strategy:

Establishing a clear timeline for data acquisition to align with project milestones. Exploratory Data Analysis (EDA): Work together on an in-depth exploratory data analysis: Ensuring data quality are accuracy through validation and cleaning processes. analyses to uncover patterns, trends, and correlations within the dataset. Identify and visualize key summary statistics, such as stock price distributions and volume trends. Share insights and observations throughout the EDA process, discussing potential areas for further Risk Assessment: ollaboratively use Python for data

Collaboratively assess potential risks and challenges in your

Tata Power stock analysis project:

Identify data-related risks, such as data source reliability and accuracy. Consider external risks, such as market fluctuations

or unforeseen events that could impact the stock.

Discuss ethical considerations related to data privacy and handling.

Develop a risk mitigation plan that outlines proactive steps to address and minimize these risks throughout the project's lifecycle.

analysis to perform initial data

Dashboard Design using Tableau:

Interactive Visualization Creation: Collaboratively design interactive

sualizations within the Tableau dashboard. Create dynamic charts,

graphs, and KPI displays that allow users to explore and understan

User-Centric Design: Work together to design the dashboard with the end-user in mind. Ensure that the layout is intuitive.

appropriate color schemes, fonts, and branding to make the dashboard visually appealing and aligned with the project's objectives and audience expectations.

user-friendly, and responsive. Collaboratively choose

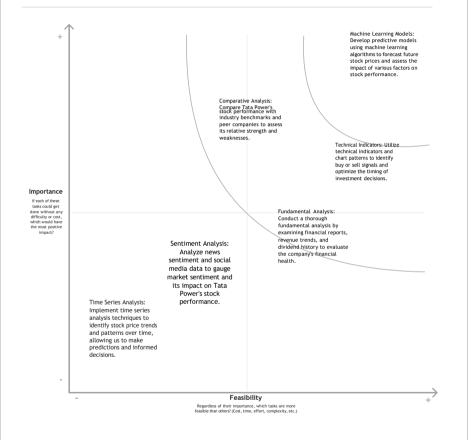
interactivity, such as filters and drill-down options, for a more

engaging user experience.

Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

→ 20 minutes



After vou collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

Ouick add-ons

Share the mural Share a view link to the mural with stakeholders to keep

them in the loop about the outcomes of the session. Evport the mural

Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

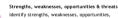
Keep moving forward

Strategy blueprint Define the components of a new idea or strategy.

Open the template



Open the template



and threats (SWOT) to develop a plan. Open the template

Share template feedback































































