

Date	8 Nov 2023
Team ID	592766
Project Name	Walmart Sales Analysis For Retail Industry with Machine Learning
Maximum Marks	4 Marks

Brainstorming Mural Link

Template

Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

🕒 10 minutes to prepare

🕒 1 hour to collaborate

👤 2-8 people recommended

Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

🕒 10 minutes

Team gathering

Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

Set the goal

Think about the problem you'll be focusing on solving in the brainstorming session.

Learn how to use the facilitation tools

Use the Facilitation Superpowers to run a happy and productive session.

[Open article](#) →

Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

🕒 5 minutes

PROBLEM

This project uses machine learning to analyze sales data from 45 Walmart stores, focusing on holiday impacts like Christmas, Thanksgiving, Super Bowl, and Labor Day. It employs algorithms such as Random Forest, Decision Trees, XGBoost, and ARIMA for sales forecasting. Integration with Flask and IBM deployment are also part of the plan. The goal is to help Walmart understand how holidays affect sales and create predictive models for informed decision-making.

Key rules of brainstorming

To run an smooth and productive session

Stay in topic.

Encourage wild ideas.

Defer judgment.

Listen to others.

Go for volume.

If possible, be visual.

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

🕒 10 minutes

TIP
You can select a sticky note and hit the pencil (switch to sketch) icon to start drawing!

Person 1

Algorithm Development
Targeted Customer Engagement
Trend Analysis

Person 2

Dynamic Pricing
Automated Sales
Predictive Analytics

Person 3

Seasonal Product Analysis
Model Evolution
Feedback System

Person 4

Model Comparison
Recommendation
Segmentation

3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

🕒 20 minutes

TIP
Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

Enhanced Forecasting

Algorithm Development
Trend Analysis
Seasonal Product Analysis
Model Evolution

These solutions work with advanced predictive models and algorithms by analysis of trends and model improves itself with time.

Targeted Customer Engagement

Segmentation
Feedback System
Targeted Customer Engagement

These solutions center on personalized customer experience.

Efficiency and Optimization

Dynamic Pricing
Model Comparison
Automated Sales
Predictive Analytics
Recommendation

These solutions can be implemented to increase efficiency and automation which will improve the profits of sale real-time.

Step-3: Idea Prioritization

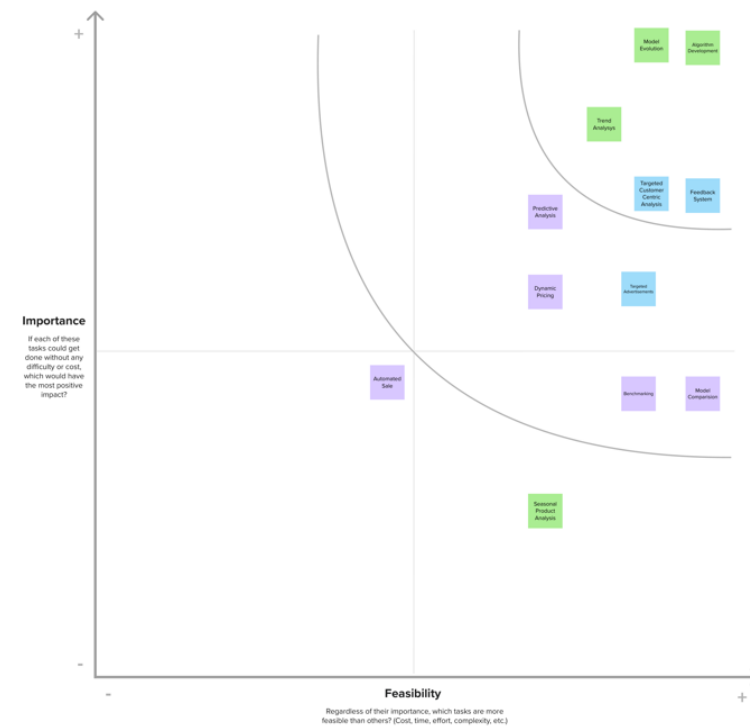
4

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

TIP
Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the H key on the keyboard.



➔

After you collaborate

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

Quick add-ons

- A Share the mural**
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.
- B Export 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 →](#)
- Customer experience journey map**
Understand customer needs, motivations, and obstacles for an experience.
[Open the template →](#)
- Strengths, weaknesses, opportunities & threats**
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.
[Open the template →](#)