

Ideation Phase Brainstorm & Idea Prioritization

Date	04 October 2022
Team ID	PNT2022TMID17930
Project Name	Car Resale value Prediction
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization:


Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich number of creative solutions.

Reference:

<https://app.mural.co/t/nalaiyathiran6096/m/nalaiyathiran6096/1664940504500/02d7907163ca150c4fb5cbc134ce55ea098d4fce?sender=u1bfb4a1a7a53beb1e7911052>

Step-1: Team Gathering, Collaboration and Select the Problem Statement

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
👤 3-8 people (recommended)

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➕

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

1

Team gathering

Invite who should participate in the session and come on time. Some suggest gathering in person if you can.

2

Set the goal

Brainstorm a problem you're looking to solve using the following as the foundation to solve it.

3

Learn how to use the facilitation tools

Use the Facilitator or Super points to set a supply and production scenario.

[Open video](#)

1

Define your problem statement

The problem statement is to consider the main factors which would affect the resale value of a vehicle and to build a regression model that would give it the most accurate resale value of the vehicle.

🕒 5 minutes

Problem

How might we predict the resale value of a car?

Key rules of brainstorming

- Stay on topic
- Encourage wild ideas
- Enter a comment
- Listen to others
- Go for volume
- "Possible, be viable"

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

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

10 minutes

Nabil Ahamed H

Understand the problem	Check for similar datasets	Identify preprocessing technique
Analyze the UI	explore deployment processes	can the accuracy be increased
Understand the visualization techniques	explore the working procedures of ANN	Discuss with use mechanics to get an idea

Suhaanjith TS

Understand the problem statement defined	Understand the different types of a graphs	Explore and find the suitable dataset
Preprocess the dataset using suitable techniques	Explore about ANN model	Identify different layers that can be added
Preprocess or dataset, its nature of graphs, extract the source	Explore about model building and deployment process	Analyze the result and visualize it

Gobhinath I

To find appropriate dataset and understand it	Explore different use cases for solutions	Identify the needs for the model and building it
Train and evaluate the model for different cases	Implement the model	Check for increase in accuracy
Visualize the process curve for the model in accuracy	Analyze other options and steps	Implement it for final results to show of its better way

Avinash R

Analyze the problem Statement	Study ANN model and get a good idea	Check for other similar problem statements
Import the Suitable dataset	To implement the Model	Train the model
To check different ways to coded layers	Analyze the different case of layers	Check for other business solutions

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

Working with Model

can the accuracy be increased	explore the working procedures of ANN	Identify the needs for the model and building it
Train and evaluate the model for different cases	Implement the model	lowly different ways that can be better
There is a number of business accuracy	Explore about model building and deployment process	Study ANN model and get a good idea
To implement the Model	Train the model	To check different ways to add steps

Dataset

Check for similar datasets	To find appropriate dataset and understand it	Explore and find the suitable dataset
Preprocess the dataset using suitable techniques	Import the Suitable dataset	

Visualization

Analyze the data and visualize it	Understand the visualization techniques	Visualize the process curve for the model in accuracy
Analyze the UI		

Accuracy

can the accuracy be increased	Check for increase in accuracy	There is a number of business accuracy
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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

