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

Share template feedback

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.

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1 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

Given a dataset containing blood test and diagnostic data of patients, this project aims to identify a suitable machine learning algorithm which is capable of identifying whether a person has liver disease or not. This is a binary classification problem to be solved using supervised learning. We have ten features for each data point and a label which identifies whether a patient is suffering from liver disease or not. In order to arrive at the solution, our aim should be to train various supervised learning models on this dataset so that we have a well performing model which is able to classify any new data as a positive or negative with a reasonably degree of accuracy and performs better than benchmarked

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.

2 Brainstorm

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

10 minutes

A S JAGANATH THILAK

- ANN will be effective if dataset is large
- Data pre-processing should be done for better results
- Hyper Parameters should be tuned for better results
- Evaluate multiple machine learning models and select best model
- Draw graphs and plots for analyzing the results
- Choose model based on the linearity of the data

BHARATH KUMAR T

- ML Algorithms can be used for prediction
- Check for Data inconsistency to eliminate misclassification
- Analyse given data for null values and correlation
- Regularization can be used in case of overfitting
- Get insights from previous research projects
- Deploy ML model using Flask

HARI GOVINDH R

- Analyse data to identify patterns
- Review initial hypothesis about dataset and choice of algorithms
- Exploratory data analysis should be done to identify the features of the dataset
- Make sure to avoid overfitting and underfitting problems
- Use visualization approaches to plot the summary of the input variables
- Try to split the dataset in standardised format for better accuracy

JEEVANANTHAN S

- Perform feature selection for better prediction
- Supervised ML models like SVM,ANN,Naive Bayes etc can be used
- Model Evaluation should be performed
- Normalization can be performed
- Create an application to get input from users and display output
- Eliminate outliers, Null values

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 and break it up into smaller sub-groups.

20 minutes

Data Pre-Processing

- Analyse given data for null values and correlation
- Analyse data to identify patterns
- Exploratory data analysis should be done to identify the features of the dataset
- Use visualization approaches to plot the summary of the input variables
- Eliminate outliers, Null values
- Data pre-processing should be done for better results
- Check for Data inconsistency to eliminate misclassification
- Perform feature selection for better prediction
- Normalization can be performed

Model Selection

- ANN will be effective if dataset is large
- Choose model based on the linearity of the data
- Evaluate multiple machine learning models and select best model
- ML Algorithms are used to classification problems
- Supervised ML models like SVM,ANN,Naive Bayes etc can be used
- Review initial hypothesis about dataset and choice of algorithms

Model Evaluation

- Draw graphs and plots for analyzing the results
- Model Evaluation should be performed

Model Optimization

- Hyper Parameters should be tuned for better results
- Regularization can be used in case of overfitting
- Make sure to avoid overfitting and underfitting problems

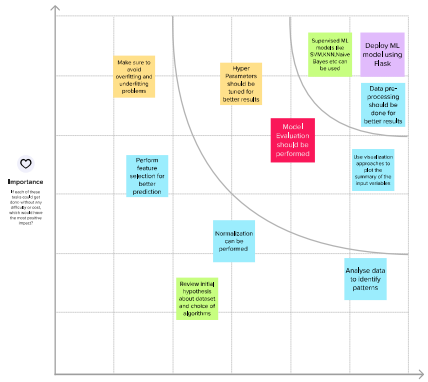
Deploy ML Model

- Deploy ML model using Flask
- Create an application to get input from users and display output

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



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

Share the mural
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.

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 →

Share template feedback

Need some inspiration?

See a finished version of this template to kickstart your work.

Open example →