# Brainstorm

**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**

**Define your problem statement**

Analyze the heart disease dataset to explore the machine learning algorithms and build decision tree model to predict the disease.

**5 minutes**

**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!

**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**

Features such as serum cholesterol, chest pain type, thalassemia, colored fluoroscopy, resting

**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**

# & idea prioritization

Analyze the heart disease dataset to explore the machine learning algorithms and build decision tree model to predict the disease.

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

1. **Team gathering**

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

1. **Set the goal**

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

1. **Learn how to use the facilitation tools**

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

[**Open article**](https://support.mural.co/en/articles/2113740-facilitation-superpowers)

**PROBLEM**

Analyze the heart disease dataset to explore the machine learning algorithms and build decision tree model to predict the

disease.

**Key rules of brainstorming**

To run an smooth and productive session

**Person 1**

**Person 2**

First input data is given after the input is given it goes to preprocessing function and then splitting occurs it splits up into two parts. one is training data and testing data. Under training data it consists of DT,KNN,K-MEANS

**Person 3**

Under testing data there is classifier, the classifier gets divided into normal and abnormal.

**Person 4**

It can be done using decision tree . The decision tree is a data mining tool which plays a vital role in knowledge discovery. It extracts meaningful hidden information. The large data set can also be processed to obtain new target patterns.

blood sugar plays vital role in heart disease detection. Serum cholesterol, soft and waxy substances found in blood cells. It indicates the total amount of cholesterol present in the body.

The leading cause of death in the developed world is heart diseases. Therefore, there needs to be work done to help prevent the risks of having a heart.

It can be prevented by creating an interactive dashboard by data analytics. By doing this we can predict the forecoming dangerous events.In the point of social impact, it has a great interactive dashboard for predicting the diseases. It is having the easy manipulation of data.

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* 1. **Share the mural**

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

* 1. **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**](https://app.mural.co/template/e95f612a-f72a-4772-bc48-545aaa04e0c9/984865a6-0a96-4472-a48d-47639307b3ca)

**Customer experience journey map**

Stay in topic.

Defer judgment.

Encourage wild ideas.

Listen to others.

processed to obtain new target patterns.

DECISION TRE

Understand customer needs, motivations, and obstacles for an experience.

[**Open the template**](https://app.mural.co/template/b7114010-3a67-4d63-a51d-6f2cedc9633f/c1b465ab-57af-4624-8faf-ebb312edc0eb)

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Go for volume. If possible, be visual.

Decision tree allows adding or removing attributes to yield better results and accuracy. Remove two attributes such as resting electrocardiography’s results and maximum heart rate, which reduces overall performance

Decision tree is a non parametric supervised learning method

**Feasibility**

time, effort, complexity,

**Strengths, weaknesses, opportunities & threats**

Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.

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**Template**

**Need some inspiration?**

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

[**Open example**](https://app.mural.co/template/e5a93b7b-49f2-48c9-afd7-a635d860eba6/93f1b98d-b2d2-4695-8e85-7e9c0d2fd9b9)