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

Need some inspiration

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

Open example →

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

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

B **Set the goal**
Think about the problem you'll be focusing on solving in the brainstorming session.

C **Learn how to use the facilitation tools**
Use the Facilitation Superpowers to run a happy and productive session.

Open article →

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
How might we [your problem statement]?

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

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

Tarun K Kumar

- Regression analysis is a machine learning approach aiming to accurately predict the values of continuous output variables aims to predict the values of continuous output variables accurately.
- A decision tree is a tree-structured classifier that gets to run a split test in each of its internal nodes.
- It must fulfil all three Time series models.
- Random forests are a set of tree predictors in which each tree is determined by the values of a randomly sampled vector.
- To determine its effectiveness, the cost is expressed as the mean squared error (MSE).
- Obtaining various random outputs and selecting the most frequently collected output from RFR

Purujit KG

- The usage of neural networks to predict crude oil prices
- The proposed model aids in the buying of crude oil at the proper time.
- Python flask usage
- Using previous crude oil history, use RNN with Long Short Term Memory to predict future crude oil.
- If the dataset is large, RNN is effective.
- Create an application that takes user input and produces output.

Vasanth R

- To obtain a baseline to compare, use the Autoregressive Integrated Moving Average (ARIMA) model.
- To determine its effectiveness, the cost is expressed as the mean squared error (MSE).
- Obtaining various random outputs and selecting the most frequently collected output from RFR
- A ReLU function is used to activate the hidden layer units.
- A larger network, as well as more complicated and nuanced features such as key word counts in monthly OPEC reports.
- If the dataset is large, RNN is effective.

Prince P & Raaj Vishanth

- At the end, the price is predicted using linear regression models with mean square error or mean absolute error.
- The proposed model's performance is evaluated using price data from the WTI crude oil markets.
- Models based on VMD-AI are promising for crude oil price analysis and forecasting.
- The goal of this study is to forecast crude oil prices using Support Vector Regression (SVR).
- The dataset and work aim to forecast future crude oil prices using historical data from the dataset, which includes daily Brent oil prices.
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3 Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, 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

Grouping based on dataset

- If the dataset is large, RNN is effective.
- Obtaining various random outputs and selecting the most frequently collected output from RFR
- It should satisfy all three Time series models.

Grouping based on literature survey

- Learn from previous research projects.
- Perform a literature search.
- Make a strategy for dealing with the issue.

Grouping based on models

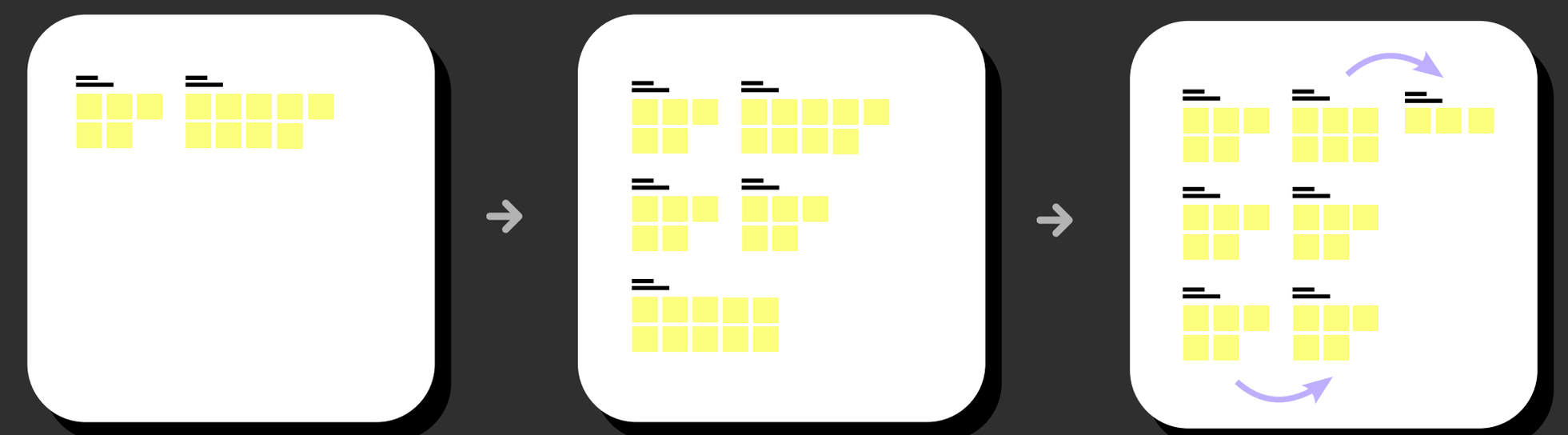
- The use of neural networks to forecast the price of crude oil
- Using previous crude oil history, use RNN with Long Short Term Memory to predict future crude oil.
- To obtain a baseline for comparison, use the Autoregressive Integrated Moving Average (ARIMA) model.
- Regression analysis is a machine learning approach that aims to predict the values of continuous output variables accurately.
- Random forests are a set of tree predictors in which each tree is determined by the values of a randomly sampled vector.
- To determine its effectiveness, the cost is expressed as the mean squared error (MSE).

Deploy Model

- Use Python flask to deploy the model.
- Create an application that takes user input and produces outputflask.

Model Evaluation

- Create graphs and plots to help you analyse the results.
- Model evaluation should be carried out.



To determine its effectiveness, the cost is expressed as the mean squared error (MSE).

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

Importance
Which of these tasks would have the greatest positive impact if they could be completed without difficulty or cost?

- To obtain a baseline to compare, use the Autoregressive Integrated Moving Average (ARIMA) model.
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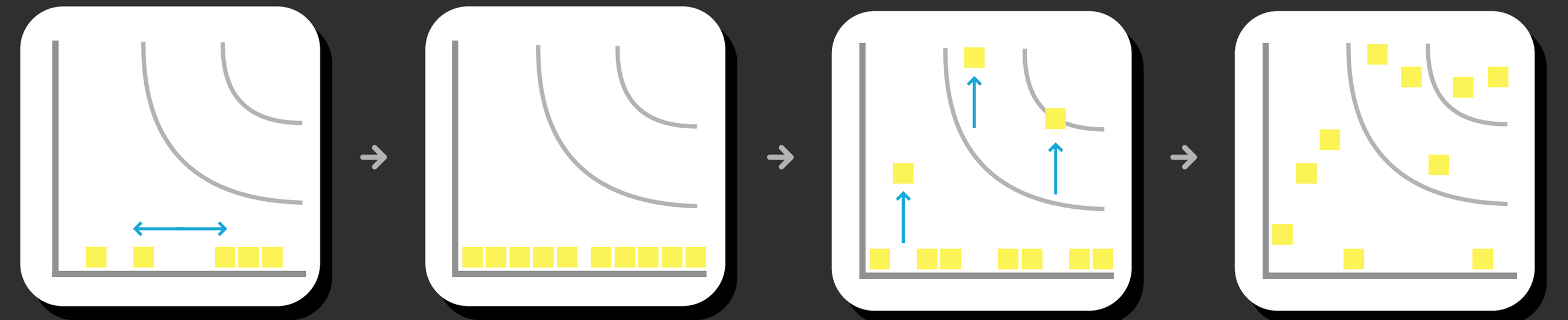
- Using previous crude oil history, use RNN with Long Short Term Memory to predict future crude oil.
- Use Python flask to deploy the model.
- Model evaluation should be carried out.
- Random forests are a set of tree predictors in which each tree is determined by the values of a randomly sampled vector.
- If the dataset is large, RNN is effective.
- Make a plan for how to approach the problem.

Feasibility
Which tasks, regardless of their importance, are more feasible than others? (Cost, time, effort, complexity, and so on.)



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 →

Share template feedback