

# Brainstorm

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

① 10 minutes

Flight delays are a major concern for the aviation industry. Delays can result in lost revenue, passenger dissatisfaction, and can even impact safety. In order to minimize the impact of delays, airlines need a way to accurately predict when delays are likely to

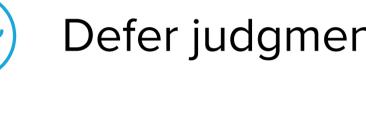


# Key rules of brainstorming

To run an smooth and productive session



Encourage wild ideas.





### R Kirubakaran K Manikandan

Historical Data Analysis: Analyze historical flight data to identify patterns and trends that may lead to delays. Use machine learning algorithms to identify factors that contribute to delays such as weather, maintenance, crew scheduling, and airport congestion.

Real-time Data Monitoring: Develop a system to monitor real-time data such as weather reports, air traffic control data, and aircraft sensor data to predict when delays are likely to occur. Use machine learning algorithms to analyze the data and provide alerts to airlines when delays are imminent.

## A Manikandan

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Predictive Maintenance:

Use machine learning

algorithms to analyze

identifying potential

they become major

delays caused by

mechanical issues.

problems, airlines can

reduce the likelihood of

aircraft maintenance data to

predict when maintenance

issues are likely to occur. By

maintenance issues before

Predictive Maintenance: Use machine learning aircraft maintenance data to predict when maintenance maintenance issues before they become major problems, airlines can reduce the likelihood of delays caused by



# 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.

Airport Congestion

Analysis: Use machine

learning algorithms to

are likely to occur. By

identifying times when

airport traffic is likely to be

heavy, airlines can adjust

data to predict when delays

① 20 minutes

machine learning algorithms to analyze may lead to delays. For example, if a large group of arrive late, this could

aircraft maintenance data to predict when maintenance issues are likely to occur. By identifying potential maintenance issues before they become major problems, airlines can reduce the likelihood of delays caused by



# 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.

① 20 minutes

