

Empathy Map Canvas

Developing a Flight Delay Prediction Model using Machine Learning



Ideation & Brainstorming

Having a flight backup always	Using complex algorithms for prediction	Using probability for prediction	Processing the data existing manually and choose which occurs more frequently
Considering all the quantitative things and using a mathematical formula to predict	Considering the technical issues that may arise and predict	Enquiring the pilot	Using simple algorithm for prediction
By plain intuition	Considering circumstances like traffic, weather and predicting the delay	Based on the weather forecasting analysis the flight delay can be predicted	Calculate delay ratio using terms Sum of all flights that have been delayed and the total number of flights made at the origin
Using a tracker for prediction	Using statistics	Estimate prediction based on the route(via place) a flight takes	Exceeding the maximum takeoff weight (MTOW) of flight and the captain will give order to unload baggage. An unplanned extra step that will cause a delay.