Empathy Map

Flight Delay Prediction for aviation Industry using Machine Learning

Says

We need to improve our on-time performance and reduce the number of flight delays

Machine learning can help us analyze large amounts of data and identify patterns that humans may miss

We're currently using historical data and expert judgment to predict delays, but it's not always accurate

Our passengers are frustrated with the uncertainty and inconvenience caused by delayed flights

Thinks

We need a more accurate and reliable way to predict flight delays

Machine learning could help us identify patterns and predict delays with greater accuracy

We need to balance the need for on-time performance with the need for safety and compliance

We need to communicate effectively with passengers and stakeholders about delays and their impact

Passengers

Does

Aviation industry professionals collect and analyze data on flight delays and their causes

They communicate with passengers and stakeholders about delays and their impact on travel plans

They use this data to make decisions about scheduling, maintenance, and other aspects of operations

They implement various strategies to minimize the impact of delays, such as offering vouchers, rebooking passengers, or providing updates on flight status

Feels

Aviation industry professionals may feel frustrated by the challenge of predicting and minimizing flight delays

Passengers may feel anxious, frustrated, or inconvenienced by flight delays

Aviation industry professionals may feel empathy for passengers and want to minimize the impact of delays on their travel plans