

Ideation Phase
Define the Problem Statements

Date	19 September 2022
Team ID	PNT2022TMID28566
Project Name	Airline Data Analytics for Aviation Industry
Maximum Marks	2 Marks

PROBLEM STATEMENT

To identify and manage many people traveling this summer, they are noticing first – hand that airlines are facing major challenges, including numerous flight cancellations and delays.

Who does the problem affect?

Many people will get frustrated to sit idle in airport. Passengers who need to handle international meeting and also for some emergency purpose.

What are the boundaries of the problem?

Adverse weather conditions, low ceilings, and low visibility conditions strongly influence flight delays.

What is the issue?

Inclement weather, such as thunderstorm, hurricane, or blizzard. Late arrival of the aircraft to be used for the flight from a previous flight. Maintenance problems with the aircraft.

When does the issue occurs?

A flight delay is when an airline flight takes off and /or lands later than its scheduled time. A cancellation occurs when the airline does not operate the flight at all for a certain reason.

Where is the issue occurring?

The least punctual airline of all U.S. carriers was Frontier which had an average on-time arrival of 73.14 percent. Coming in just above that was JetBlue with an on-time arrival of 73.5 percent.