PROBLEM STATEMENT

AIRLINE DATA ANALYTICS FOR AVIATION INDUSTRY

The airport codes may refer to either the IATA airport code, a three-letter code that is used in passenger reservation, ticketing and baggage-handling systems, or the ICAO airport code which is a four-letter code used by ATC systems and for airports that do not have an IATA airport code.

To provide better Airline and AirPort services and to avoid delays in Air Travel across different locations at Municipality level. The aim is to provide airports, airlines, and the travelling public with a neutral, third-party view of which airlines are delivering on their promise to get passengers from Point A to Point B on-time.

There is an interest in large scale data analytics inthe aviation domain for analysis and prediction of capacity and flow in the US NAS. This is facilitated by data analytics systems in addition to availability of massive amounts of surveillance data. In order for companies in the aviation domain to better make senseof current and historical data, and make predictions using descriptive behavior, a scalable analytics serviceis needed. In response to BCA's need in this nature, we built a data warehouse that will aid making criticaldecisions.

Using the given dataset, we plan to create various graphs and charts to highlight the insights and visualizations. On doing this a perfect information of the flights are obtained and many overhead delay of the arrival , departure of the planes can be avoided.