Project McNulty Summary
Predicting Flight Delays at Seatac Airport

Dana Lindquist
November 2, 2018

Project Design

The goal of this project was to predict if a flight arriving at Seatac would be on-time or delayed. Delayed was defined as 15 minutes after the scheduled arrival time which is the standard in the airline industry.

Data

Data was collected from
• Bureau of Transportation web site (transtats.bts.gov) which has all the flight arrival and departures up to July 2018
• NOAA web site (www.ncdc.noaa.gov) which has historical weather data by location

The flight data included
• Arrival and Departure Date, planned times and actual times
• Departure and arrival city
• Flight distance
• Airline and flight number
• Reason for delay (if delayed)

The weather data used in this project was daily summaries and included
• Date and location
• Wind speed
• Snow
• Temperature

Models

Conclusions and Future Extensions

This project only looked at arrivals at Seatac airport. It would be very interesting to look at a different city