

Flight Delay prediction using Machine Learning-Literature Survey

Flight delays can cause significant inconvenience to passengers and result in high costs for airlines. The ability to accurately predict flight delays is therefore an important problem in the aviation industry. In recent years, machine learning algorithms have been increasingly used for flight delay prediction.

One of the key challenges in flight delay prediction is the availability of data. In addition to flight information, weather data, and airport data, other sources of information such as social media and news articles have also been used to improve prediction accuracy.

Various machine learning algorithms have been used for flight delay prediction, including decision trees, random forests, support vector machines, and neural networks.

In addition to predicting flight delays, some research has also focused on predicting the length of delays. For example, Huang et al. (2018) proposed a model that predicts both the probability of a delay and the expected length of the delay.