ABSTRACT

This paper demonstrates the application of predictive modeling techniques to predict the time delay in several domestic flights across the United States. Delay in domestic flights has been a common phenomenon in the United States and it would definitely be useful if a predictive methodology was employed. The data set for this purpose was prepared by gathering the past two years of data from a flight stats website. The weather details of these airports were also collected to understand if the weather details can be used for the prediction. By using modeling techniques such as multiple regression, neural networks, and so on, the delay in airlines can be predicted by knowing the airline carrier, origin, and destination airport.

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