

Paper 271-2013

Predict the Delay in Your Airline Before They Do!

Hari harasudhan Duraidhayalu, Kavi Associates
Rajesh Inbasekaran, Kavi Associates

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.

No paper was submitted for publication.

CONTACT INFORMATION

Hari harasudhan Duraidhayalu
Kavi Associates
hari.duraidhayalu@okstate.edu

Rajesh Inbasekaran
Kavi Associates
rajesh.inbasekaran@kaviglobal.com

SAS and all other SAS Institute Inc. product or service names are registered trademarks or trademarks of SAS Institute Inc. in the USA and other countries. ® indicates USA registration.

Other brand and product names are trademarks of their respective companies.