Monetize

# **RISK PROFILING USING PREDICTIVE ANALYTICS**

### Leading Airport Solutions Provider

#### THE CLIENT PROBLEM STATEMENT

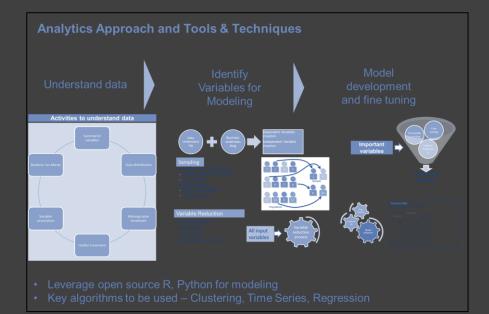
Client wanted to test and build an innovation proof of concept to predicting the valid hit (Rule-in hit), using the historical patterns of the travelers and profile available in the system (idea was to improve accuracy of predictions in comparison to rule based approach that is deployed currently)



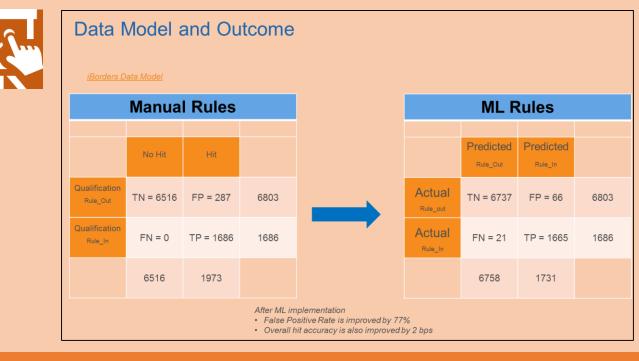




It is the machine leaning based approach to reduce the False Positive rate for the hit generation. Our objective would be to increase potential rule-in hit cases of new travelers crossing the border.



## **MODELING APPRACH**



BUSINESS OUTCOME

#### After ML implementation

CUSTOMER SERVICE

- False Positive Rate is improved by 77%
- Overall hit accuracy is also improved by 2 bps