Predicitive Analytics

Over the past decade, companies in various industries have generated more than 2 quintillion bytes of data. Many of these companies rely on this data to gain a better understanding of their customers and operations, to identify patterns and to make more compelling and strategic decisions.

Goals & Opportunities

The establishment and development of a predictive analytics model for air cargo-induced processes with a focus on airside handling processes for operations management or short-term resource planning and better traffic and resource management, so that peak loads (seasonal peaks, global events) can be identified at an early stage and countermeasures can be taken in advance to avoid congestion and bottlenecks at an early stage.

PYTHON

C++

CSS

PHP

HTML

JAVA
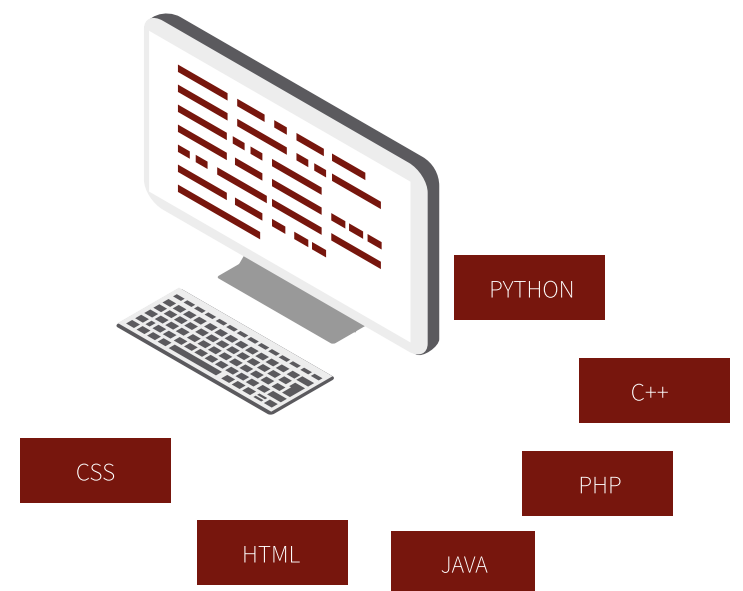
Desired Outcomes

DTAC SP3 models make predictions about future outcomes by combining historical data with statistical modelling, data mining techniques and machine learning to cover various use cases such as freight volume forecasting and resource planning in aviation logistics.

Challenges

For developing accurate predictive analytics models, large amount of data is necessary. The more data we get from our partners, the more accurate our models will become.
Correspondingly, the accuracy of predictive analytics models is limited by the completeness and accuracy of the data being used. As the analytical algorithms attempt to build models based on the available data, deficiencies in the data may lead to deficiencies in the model.