Keep Flights on Schedule

With Network Operations Schedule Robustness from GE Aviation's Digital Group

Network Operations Schedule Robustness provides visibility to airline network planners into schedule weaknesses, repeating flight issues and high-risk areas. With this kind of insight, airlines can prevent disruptions on the day of operations and keep flight schedules on track.

Identify

Using a multivariate analysis and a combination of known attributes that lead to high delay rates, Schedule Robustness identifies high-risk areas and critical flights within your airline's plan, and the top flights causing delays or major on-time performance issues.

Learn

Schedule Robustness stores all data from each analysis and learns from past schedule information to determine areas of risk in your schedule, helping prevent future delays and cancellations.

Resolve

Using a machine learning model to assign scores to known weaknesses, Schedule Robustness enables scheduling teams to reduce delays and cancellations.

Operating an airline on schedule is a complex endeavor, and using analytics to identify high risk areas within your plan is critical for operational efficiency.

Any weaknesses in an airline's scheduling plan can drastically impact on-time performance, operational costs, and overall passenger experience. Why continue to risk costly delays and cancellations when you can reduce day-of disruptions and apply past performance data to optimize flight schedules?

75.48% average on-time performance in the commercial airline segment

$33B cost to commercial airlines as a result of irregular operations such as delays and cancellations

1% improvement in on-time performance equates to about $1B in savings

GE Aviation's Digital Group

Schedule Robustness provides airline network planners with broad visibility into high-risk areas and critical flights and empowers airlines to prevent those disruptions.

Service deliverables

Based on the findings from data analysis, the analytics from the Schedule Robustness offering provides airlines with a detailed report that could include the following:

- A180 + delays and cancellations

- High-risk flight analysis

- Critical flight analysis

- Visibility of trends and patterns leading to deviation of schedules

Key outcomes could include:

- Reduction of cascading delay risk

- Improvement of on-time performance and completion factors

- Increasing passenger experience

- Lower operational costs

Line Of Flying Prediction

25 Aug   26 Aug   27 Aug   28 Aug

Why choose GE Aviation for your Network Operation?

Beyond Schedule Robustness, GE Aviation's Digital Group offers an ecosystem of value that enables airlines to create the most efficient network discipline. Not only does our Network Operations platform offer a turnkey technology solution that provides global commercial airlines with real-time disruption management and operational optimization, but it's backed by a trusted business process. Enjoy seamless change management, an effective partnership, and implementation and advisory services to ensure your airline is getting the most out of the solution.

Learn More.

Contact your GE Aviation's Digital Group representative at +1 (512) 452-8178 or via aviationdigital@ge.com.

www.geaviation.com/digital