

# **Aviation Analytics Market Size, Share & Trends Analysis Report By Functions, By Component (Solutions, Services), By Deployment, By Region, And Segment Forecasts, 2024 - 2030**

<https://marketpublishers.com/r/A374D7667286EN.html>

Date: July 2024

Pages: 150

Price: US\$ 4,950.00 (Single User License)

ID: A374D7667286EN

## **Abstracts**

**This report can be delivered to the clients within 5 Business Days**

### **Aviation Analytics Market Size & Trends**

The global aviation analytics market size was estimated at USD 2,601.0 million in 2023 and is projected to grow at a CAGR of 10.14% from 2024 to 2030. The increasing adoption of data-driven decision-making processes in the aviation industry, the growing focus on enhancing predictive maintenance capabilities and the shift towards cloud-based solutions are the primary drivers fueling the market expansion. The growing need for sophisticated analytics platforms that can process and analyze the data generated by various systems within the aviation ecosystem in real time is further driving the demand for real-time data analytics solutions.

The integration of Big Data and the Internet of Things (IoT) within the aviation industry is revolutionizing data collection and analysis. These technologies enable the collection of vast amounts of data from various sources, such as aircraft sensors, operational logs, and passenger information. Analyzing this data helps in optimizing flight operations, improving fuel efficiency, and enhancing passenger experiences. The increasing reliance on data-driven decision-making processes is propelling the demand for aviation analytics.

Airlines are increasingly focusing on enhancing the passenger experience by utilizing analytics. Personalization of services, real-time feedback, and efficient handling of

passenger queries are made possible through advanced analytics tools. By analyzing passenger data, airlines can offer tailored services, improving customer satisfaction and loyalty. This trend is driving airlines to invest heavily in analytics solutions that provide insights into passenger behavior and preferences.

Artificial intelligence (AI) and machine learning (ML) are transforming the aviation analytics landscape by providing sophisticated tools for data analysis and prediction. These technologies enable more accurate demand forecasting, route optimization, and risk management. The ability of AI and ML to process large datasets and identify patterns is enhancing operational efficiency and decision-making processes. This trend towards adopting AI and ML in aviation analytics is expected to fuel the market expansion.

The trend towards implementing robust cybersecurity measures in aviation analytics is driven by the need to safeguard data integrity and maintain customer trust. Ensuring the protection of sensitive data and preventing cyber threats are paramount for airlines. Advanced analytics tools are being used to detect and mitigate cyber threats, enhancing the overall security posture of the aviation industry is expected to further drive the market growth.

### Global Aviation Analytics Market Report Segmentation

This report forecasts revenue growth at global, regional, and country levels and provides an analysis of the latest industry trends in each of the sub-segments from 2018 to 2030. For this study, Grand View Research has segmented the global aviation analytics market report based on functions, component, deployment and region:

#### Functions Outlook (Revenue, USD Million, 2018 - 2030)

Finance

Operations

Marketing and Sales

Maintenance and Support

Others

Component Outlook (Revenue, USD Million, 2018 - 2030)

Solutions

Services

Deployment Outlook (Revenue, USD Million, 2018 - 2030)

Cloud

On-Premises

Regional Outlook (Revenue, USD Million, 2018 - 2030)

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Italy

Spain

Asia Pacific

China

Australia

Japan

India

South Korea

Latin America

Brazil

Middle East & Africa

South Africa

Saudi Arabia

UAE

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