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Aviation Analytics Market Report by Component (Software, Services), Deployment Mode (On-premises, Cloud-based), Business Function (Sales and Marketing, Finance, Maintenance, Repair and Operations, Supply Chain), Application (Flight Risk Management, Inventory Management, Fuel Management, Revenue Management, Customer Analytics, Navigation Services), End User (Airlines, Airports, and Others), and Region 2024-2032

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Abstracts

The global aviation analytics market size reached US$ 3.5 Billion in 2023. Looking forward, IMARC Group expects the market to reach US$ 8.1 Billion by 2032, exhibiting a growth rate (CAGR) of 9.6% during 2024-2032.

Aviation analytics is the computational technology that provides data statistics and information on operation activities, weather forecast data and real-time flight data. It examines the vast amount of data generated and analyzes the data pattern. It is widely used for inventory, flight risk, fuel, revenue management and customer analytics. Aviation analytics involves the use of various tools, such as data monitoring and descriptive statistics, to analyze, optimize and supervise information. It assists in enhancing performance, efficiency, accessibility, maintenance, customer satisfaction, and risk management, while improving operational planning and execution. As a result, aviation analytics is widely used to provide useful information to airports, airlines and aviation stakeholders and various business verticals, such as sales and marketing, finance, maintenance and repair.

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Aviation Analytics Market Trends:
The significant growth in the aviation industry across the globe is one of the key factors creating a positive outlook for the market. Aviation analytics is widely used to manage real-time data, including navigation databases, connectivity flight operational activities, and aircraft maintenance. In line with this, the widespread product adoption due to the increasing passenger traffic to reduce operational cost and predict customer preferences is favoring the market growth. Moreover, various technological advancements, such as the integration of big data and artificial intelligence (AI) to perform mechanical analysis, increase efficiency and safety and predict unplanned failure, are providing an impetus to the market growth. Additionally, the increasing demand for real-time analytical solutions to enhance profitability, tracking, fraud detection and improved data management is positively impacting the market growth. Apart from this, extensive research and development (R&D) activities and the implementation of various government initiatives to improve aircraft safety are anticipated to drive the market toward growth.

Key Market Segmentation:
IMARC Group provides an analysis of the key trends in each sub-segment of the global aviation analytics market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on component, deployment mode, business function, application and end user.

Breakup by Component:

Software
Services

Breakup by Deployment Mode:

On-premises
Cloud-based

Breakup by Business Function:

Sales and Marketing
Finance
Maintenance
Repair and Operations
Supply Chain

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Breakup by Application:

Flight Risk Management
Inventory Management
Fuel Management
Revenue Management
Customer Analytics
Navigation Services

Breakup by End User:

Airlines
Airports
Others

Breakup by Region:

North America
United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil

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Mexico
Others
Middle East and Africa

Competitive Landscape:
The competitive landscape of the industry has also been examined along with the profiles of the key players being Capgemini SE, General Electric Company, GrayMatter Software Services Pvt Ltd, Honeywell International Inc., IGT Solutions Pvt. Ltd., International Business Machines Corporation, Lufthansa Technik AG (Deutsche Lufthansa AG), OAG Aviation Worldwide Limited, Oracle Corporation, Ramco Systems Limited, RELX Group plc and SAS Institute Inc.

Key Questions Answered in This Report:
How has the global aviation analytics market performed so far and how will it perform in the coming years?
What has been the impact of COVID-19 on the global aviation analytics market?
What are the key regional markets?
What is the breakup of the market based on the component?
What is the breakup of the market based on the deployment mode?
What is the breakup of the market based on the business function?
What is the breakup of the market based on the application?
What is the breakup of the market based on the end user?
What are the various stages in the value chain of the industry?
What are the key driving factors and challenges in the industry?
What is the structure of the global aviation analytics market and who are the key players?
What is the degree of competition in the industry?

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