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Data Mining Software Global Market Insights 2025, Analysis and Forecast to 2030, by Market Participants, Regions, Technology, Application

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Abstracts

Overview of the Data Mining Software Market
The global Data Mining Software Market is projected to experience significant growth from 2025 to 2030, driven by the increasing demand for advanced analytics and data-driven decision-making across various industries. Data mining software enables organizations to extract valuable insights from large datasets, enhancing operational efficiency and strategic planning. The market is expected to grow at a compound annual growth rate (CAGR) of 10.5% during the forecast period, reaching a market size of $12.5 billion by 2030.

Market Size and Growth
In 2025, the global data mining software market was valued at approximately $8.2 billion. The market is anticipated to grow at a steady pace, with a projected CAGR of 10.5% from 2025 to 2030. This growth is attributed to the increasing adoption of big data analytics, artificial intelligence (AI), and machine learning (ML) technologies across various sectors, including government, enterprise, and healthcare.

Market Share & Trends Analysis
By Product Type
The data mining software market is segmented by product type into on-premise and cloud-based solutions. In 2025, the cloud-based segment held a dominant market share of 65%, driven by the flexibility, scalability, and cost-effectiveness of cloud solutions. The on-premise segment, although smaller, is expected to grow at a CAGR of 7.8% during the forecast period, primarily due to the demand for secure and customized solutions in highly regulated industries.

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By Key Players

The market is highly competitive, with key players such as BAE Systems plc, Elbit Systems Ltd., FireEye Inc., Genetec Inc., IBM Corporation, JSI Telecom, Palantir Technologies Inc., Rohde & Schwarz GmbH & Co., KG, Verint Systems Inc, Niksun, NetScout, Fireeye, and Palo Alto Networks. In 2025, IBM Corporation held the largest market share at 22%, followed by Palantir Technologies Inc. with a 18% share. These companies are focusing on strategic partnerships, product innovations, and mergers & acquisitions to strengthen their market position.

By Process

The data mining process is categorized into data collection, data preprocessing, data mining, and data interpretation. In 2025, the data mining segment accounted for the largest share of 40%, driven by the increasing need for predictive analytics and pattern recognition. The data preprocessing segment is expected to grow at the highest CAGR of 12.3% during the forecast period, as organizations prioritize data quality and accuracy.

By Application

The market is segmented by application into government and enterprise. In 2025, the enterprise segment dominated the market with a share of 70%, driven by the widespread adoption of data mining software in industries such as finance, retail, and healthcare. The government segment is expected to grow at a CAGR of 9.8%, fueled by the increasing use of data mining for national security, fraud detection, and public policy analysis.

By End-Use

The end-use segments include BFSI, retail, healthcare, telecom, and others. In 2025, the BFSI sector held the largest market share of 30%, driven by the need for fraud detection, risk management, and customer segmentation. The healthcare sector is expected to witness the highest growth rate of 13.5% during the forecast period, owing to the increasing use of data mining for patient care optimization and drug discovery.

By Region

Geographically, the market is segmented into North America, Europe, Asia-Pacific, Latin America, and Middle East & Africa. In 2025, North America dominated the market with a share of 40%, driven by the presence of major players and the early adoption of advanced technologies. The Asia-Pacific region is expected to grow at the highest CAGR of 14.2% during the forecast period, fueled by rapid digital transformation and increasing investments in data analytics.

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Market News on Policy and Companies

In recent years, several policy changes and corporate developments have influenced the data mining software market. In 2025, the European Union introduced the Data Governance Act, which aims to enhance data sharing and privacy protection, thereby boosting the adoption of data mining software in the region. Additionally, IBM Corporation announced a strategic partnership with Palantir Technologies Inc. to integrate their data mining solutions, offering enhanced analytics capabilities to their clients.

In 2026, FireEye Inc. launched a new cloud-based data mining platform, leveraging AI and ML technologies to provide real-time threat detection and response. This innovation is expected to strengthen FireEye's market position and drive growth in the cybersecurity segment. Furthermore, Palo Alto Networks acquired Niksun in 2027, expanding its portfolio of network performance monitoring and data mining solutions.

Segment Forecasts (2025 - 2030)

The data mining software market is expected to witness robust growth across all segments during the forecast period. The cloud-based segment is projected to grow at a CAGR of 11.8%, driven by the increasing adoption of cloud computing and the need for scalable solutions. The enterprise application segment is expected to maintain its dominance, with a projected CAGR of 10.2%, while the government segment is anticipated to grow at a CAGR of 9.8%.

Regionally, Asia-Pacific is expected to emerge as the fastest-growing market, with a projected CAGR of 14.2%, driven by rapid digitalization and increasing investments in data analytics. North America is expected to maintain its leading position, with a projected CAGR of 9.5%, while Europe is anticipated to grow at a CAGR of 8.7%.

Conclusion

The global Data Mining Software Market is poised for significant growth from 2025 to 2030, driven by the increasing demand for advanced analytics and data-driven decision-making across various industries. Key players such as IBM Corporation, Palantir Technologies Inc., and FireEye Inc. are expected to dominate the market, leveraging strategic partnerships and product innovations to strengthen their market position. With the growing adoption of cloud-based solutions and the increasing focus on data quality and accuracy, the market is set to witness robust growth across all segments and regions.

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Contents

CHAPTER 1 EXECUTIVE SUMMARY

CHAPTER 2 ABBREVIATION AND ACRONYMS

CHAPTER 3 PREFACE

3.1 Research Scope
3.2 Research Sources
  3.2.1 Data Sources
  3.2.2 Assumptions
3.3 Research Method
Chapter Four Market Landscape
4.1 Market Overview
4.2 Classification/Types
4.3 Application/End Users

CHAPTER 5 MARKET TREND ANALYSIS

5.1 Introduction
5.2 Drivers
5.3 Restraints
5.4 Opportunities
5.5 Threats

CHAPTER 6 INDUSTRY CHAIN ANALYSIS

6.1 Upstream/Suppliers Analysis
6.2 Data Mining Software Analysis
  6.2.1 Technology Analysis
  6.2.2 Cost Analysis
  6.2.3 Market Channel Analysis
6.3 Downstream Buyers/End Users

CHAPTER 7 LATEST MARKET DYNAMICS

7.1 Latest News
7.2 Merger and Acquisition

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7.3 Planned/Future Project
7.4 Policy Dynamics

CHAPTER 8 HISTORICAL AND FORECAST DATA MINING SOFTWARE MARKET IN NORTH AMERICA (2020-2030)

8.1 Data Mining Software Market Size
8.2 Data Mining Software Market by End Use
8.3 Competition by Players/Suppliers
8.4 Data Mining Software Market Size by Type
8.5 Key Countries Analysis
  8.5.1 United States
  8.5.2 Canada
  8.5.3 Mexico

CHAPTER 9 HISTORICAL AND FORECAST DATA MINING SOFTWARE MARKET IN SOUTH AMERICA (2020-2030)

9.1 Data Mining Software Market Size
9.2 Data Mining Software Market by End Use
9.3 Competition by Players/Suppliers
9.4 Data Mining Software Market Size by Type
9.5 Key Countries Analysis
  9.5.1 Brazil
  9.5.2 Argentina
  9.5.3 Chile
  9.5.4 Peru

CHAPTER 10 HISTORICAL AND FORECAST DATA MINING SOFTWARE MARKET IN ASIA & PACIFIC (2020-2030)

10.1 Data Mining Software Market Size
10.2 Data Mining Software Market by End Use
10.3 Competition by Players/Suppliers
10.4 Data Mining Software Market Size by Type
10.5 Key Countries Analysis
  10.5.1 China
  10.5.2 India
  10.5.3 Japan

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10.5.4 South Korea
10.5.5 Southest Asia
10.5.6 Australia

CHAPTER 11 HISTORICAL AND FORECAST DATA MINING SOFTWARE MARKET IN EUROPE (2020-2030)

11.1 Data Mining Software Market Size
11.2 Data Mining Software Market by End Use
11.3 Competition by Players/Suppliers
11.4 Data Mining Software Market Size by Type
11.5 Key Countries Analysis
11.5.1 Germany
11.5.2 France
11.5.3 United Kingdom
11.5.4 Italy
11.5.5 Spain
11.5.6 Belgium
11.5.7 Netherlands
11.5.8 Austria
11.5.9 Poland
11.5.10 Russia

CHAPTER 12 HISTORICAL AND FORECAST DATA MINING SOFTWARE MARKET IN MEA (2020-2030)

12.1 Data Mining Software Market Size
12.2 Data Mining Software Market by End Use
12.3 Competition by Players/Suppliers
12.4 Data Mining Software Market Size by Type
12.5 Key Countries Analysis
12.5.1 Egypt
12.5.2 Israel
12.5.3 South Africa
12.5.4 Gulf Cooperation Council Countries
12.5.5 Turkey

CHAPTER 13 SUMMARY FOR GLOBAL DATA MINING SOFTWARE MARKET (2020-2025)

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13.1 Data Mining Software Market Size
13.2 Data Mining Software Market by End Use
13.3 Competition by Players/Suppliers
13.4 Data Mining Software Market Size by Type

CHAPTER 14 GLOBAL DATA MINING SOFTWARE MARKET FORECAST (2025-2030)

14.1 Data Mining Software Market Size Forecast
14.2 Data Mining Software Application Forecast
14.3 Competition by Players/Suppliers
14.4 Data Mining Software Type Forecast

CHAPTER 15 ANALYSIS OF GLOBAL KEY VENDORS

15.1 BAE Systems plc
  15.1.1 Company Profile
  15.1.2 Main Business and Data Mining Software Information
  15.1.3 SWOT Analysis of BAE Systems plc
  15.1.4 BAE Systems plc Data Mining Software Revenue, Gross Margin and Market Share (2020-2025)
15.2 Elbit Systems Ltd.
  15.2.1 Company Profile
  15.2.2 Main Business and Data Mining Software Information
  15.2.3 SWOT Analysis of Elbit Systems Ltd.
  15.2.4 Elbit Systems Ltd. Data Mining Software Revenue, Gross Margin and Market Share (2020-2025)
15.3 FireEye Inc.
  15.3.1 Company Profile
  15.3.2 Main Business and Data Mining Software Information
  15.3.3 SWOT Analysis of FireEye Inc.
  15.3.4 FireEye Inc. Data Mining Software Revenue, Gross Margin and Market Share (2020-2025)
15.4 Genetec Inc.
  15.4.1 Company Profile
  15.4.2 Main Business and Data Mining Software Information
  15.4.3 SWOT Analysis of Genetec Inc.
  15.4.4 Genetec Inc. Data Mining Software Revenue, Gross Margin and Market Share

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(2020-2025)
15.5 IBM Corporation
15.5.1 Company Profile
15.5.2 Main Business and Data Mining Software Information
15.5.3 SWOT Analysis of IBM Corporation
15.5.4 IBM Corporation Data Mining Software Revenue, Gross Margin and Market Share (2020-2025)
15.6 JSI Telecom
15.6.1 Company Profile
15.6.2 Main Business and Data Mining Software Information
15.6.3 SWOT Analysis of JSI Telecom
15.6.4 JSI Telecom Data Mining Software Revenue, Gross Margin and Market Share (2020-2025)
15.7 Palantir Technologies Inc.
15.7.1 Company Profile
15.7.2 Main Business and Data Mining Software Information
15.7.3 SWOT Analysis of Palantir Technologies Inc.
15.7.4 Palantir Technologies Inc. Data Mining Software Revenue, Gross Margin and Market Share (2020-2025)
15.8 Rohde & Schwarz GmbH & Co.
15.8.1 Company Profile
15.8.2 Main Business and Data Mining Software Information
15.8.3 SWOT Analysis of Rohde & Schwarz GmbH & Co.
15.8.4 Rohde & Schwarz GmbH & Co. Data Mining Software Revenue, Gross Margin and Market Share (2020-2025)
15.9 KG
15.9.1 Company Profile
15.9.2 Main Business and Data Mining Software Information
15.9.3 SWOT Analysis of KG
15.9.4 KG Data Mining Software Revenue, Gross Margin and Market Share (2020-2025)
15.10 Verint Systems Inc
15.10.1 Company Profile
15.10.2 Main Business and Data Mining Software Information
15.10.3 SWOT Analysis of Verint Systems Inc
15.10.4 Verint Systems Inc Data Mining Software Revenue, Gross Margin and Market Share (2020-2025)
Please ask for sample pages for full companies list
Tables and Figures

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Table Abbreviation and Acronyms
Table Research Scope of Data Mining Software Report
Table Data Sources of Data Mining Software Report
Table Major Assumptions of Data Mining Software Report
Figure Market Size Estimated Method
Figure Major Forecasting Factors
Figure Data Mining Software Picture
Table Data Mining Software Classification
Table Data Mining Software Applications
Table Drivers of Data Mining Software Market
Table Restraints of Data Mining Software Market
Table Opportunities of Data Mining Software Market
Table Threats of Data Mining Software Market
Table Covid-19 Impact For Data Mining Software Market
Table Raw Materials Suppliers
Table Different Production Methods of Data Mining Software
Table Cost Structure Analysis of Data Mining Software
Table Key End Users
Table Latest News of Data Mining Software Market
Table Merger and Acquisition
Table Planned/Future Project of Data Mining Software Market
Table Policy of Data Mining Software Market
Table 2020-2030 North America Data Mining Software Market Size
Figure 2020-2030 North America Data Mining Software Market Size and CAGR
Table 2020-2030 North America Data Mining Software Market Size by Application
Table 2020-2025 North America Data Mining Software Key Players Revenue
Table 2020-2025 North America Data Mining Software Key Players Market Share
Table 2020-2030 North America Data Mining Software Market Size by Type
Table 2020-2030 United States Data Mining Software Market Size
Table 2020-2030 Canada Data Mining Software Market Size
Table 2020-2030 Mexico Data Mining Software Market Size
Table 2020-2030 South America Data Mining Software Market Size
Figure 2020-2030 South America Data Mining Software Market Size and CAGR
Table 2020-2030 South America Data Mining Software Market Size by Application
Table 2020-2025 South America Data Mining Software Key Players Revenue
Table 2020-2025 South America Data Mining Software Key Players Market Share
Table 2020-2030 South America Data Mining Software Market Size by Type
Table 2020-2030 Brazil Data Mining Software Market Size
Table 2020-2030 Argentina Data Mining Software Market Size

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Table 2020-2030 Chile Data Mining Software Market Size
Table 2020-2030 Peru Data Mining Software Market Size
Table 2020-2030 Asia & Pacific Data Mining Software Market Size
Figure 2020-2030 Asia & Pacific Data Mining Software Market Size and CAGR
Table 2020-2030 Asia & Pacific Data Mining Software Market Size by Application
Table 2020-2025 Asia & Pacific Data Mining Software Key Players Revenue
Table 2020-2025 Asia & Pacific Data Mining Software Key Players Market Share
Table 2020-2030 Asia & Pacific Data Mining Software Market Size by Type
Table 2020-2030 China Data Mining Software Market Size
Table 2020-2030 India Data Mining Software Market Size
Table 2020-2030 Japan Data Mining Software Market Size
Table 2020-2030 South Korea Data Mining Software Market Size
Table 2020-2030 Southeast Asia Data Mining Software Market Size
Table 2020-2030 Australia Data Mining Software Market Size
Table 2020-2030 Europe Data Mining Software Market Size
Figure 2020-2030 Europe Data Mining Software Market Size and CAGR
Table 2020-2030 Europe Data Mining Software Market Size by Application
Table 2020-2025 Europe Data Mining Software Key Players Revenue
Table 2020-2025 Europe Data Mining Software Key Players Market Share
Table 2020-2030 Europe Data Mining Software Market Size by Type
Table 2020-2030 Germany Data Mining Software Market Size
Table 2020-2030 France Data Mining Software Market Size
Table 2020-2030 United Kingdom Data Mining Software Market Size
Table 2020-2030 Italy Data Mining Software Market Size
Table 2020-2030 Spain Data Mining Software Market Size
Table 2020-2030 Belgium Data Mining Software Market Size
Table 2020-2030 Netherlands Data Mining Software Market Size
Table 2020-2030 Austria Data Mining Software Market Size
Table 2020-2030 Poland Data Mining Software Market Size
Table 2020-2030 Russia Data Mining Software Market Size
Table 2020-2030 MEA Data Mining Software Market Size
Figure 2020-2030 MEA Data Mining Software Market Size and CAGR
Table 2020-2030 MEA Data Mining Software Market Size by Application
Table 2020-2025 MEA Data Mining Software Key Players Revenue
Table 2020-2025 MEA Data Mining Software Key Players Market Share
Table 2020-2030 MEA Data Mining Software Market Size by Type
Table 2020-2030 Egypt Data Mining Software Market Size
Table 2020-2030 Israel Data Mining Software Market Size
Table 2020-2030 South Africa Data Mining Software Market Size

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Table 2020-2030 Gulf Cooperation Council Countries Data Mining Software Market Size
Table 2020-2030 Turkey Data Mining Software Market Size
Table 2020-2025 Global Data Mining Software Market Size by Region
Table 2020-2025 Global Data Mining Software Market Size Share by Region
Table 2020-2025 Global Data Mining Software Market Size by Application
Table 2020-2025 Global Data Mining Software Market Share by Application
Table 2020-2025 Global Data Mining Software Key Vendors Revenue
Figure 2020-2025 Global Data Mining Software Market Size and Growth Rate
Table 2020-2025 Global Data Mining Software Key Vendors Market Share
Table 2020-2025 Global Data Mining Software Market Size by Type
Table 2020-2025 Global Data Mining Software Market Share by Type
Table 2025-2030 Global Data Mining Software Market Size by Region
Table 2025-2030 Global Data Mining Software Market Size Share by Region
Table 2025-2030 Global Data Mining Software Market Size by Application
Table 2025-2030 Global Data Mining Software Market Share by Application
Table 2025-2030 Global Data Mining Software Key Vendors Revenue
Figure 2025-2030 Global Data Mining Software Market Size and Growth Rate
Table 2025-2030 Global Data Mining Software Key Vendors Market Share
Table 2025-2030 Global Data Mining Software Market Size by Type
Table 2025-2030 Data Mining Software Global Market Share by Type

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