

Data Wrangling Market Size to Hit US\$ 10.6 Billion by 2032 | Grow CAGR by 14.6%

Data wrangling refers to the transformation and mapping of unorganized data to gain meaningful analytical insights.

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The latest report by IMARC Group, titled "[Data Wrangling Market](#) Report by Component (Solution, Service), Deployment Mode (On-premises, Cloud-based), Organization Size (Large Enterprises, Small and Medium Enterprises), Business Function (Finance, Marketing and Sales, Operations, Human Resources), Industry Vertical (BFSI, Government and Public Sector, Healthcare and Life Science, Retail and E-commerce, Media and Entertainment, IT and Telecom, Manufacturing, and Others), and Region 2024-2032", The global data wrangling market size reached US\$ 3.0 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 10.6 Billion by 2032, exhibiting a growth rate (CAGR) of 14.6% during 2024-2032.



Data Wrangling Market size

For an in-depth analysis, you can refer sample copy of the report:

<https://www.imarcgroup.com/data-wrangling-market/requestsampl>

Factors Affecting the Growth of the Data Wrangling Industry:

- Increasing Data Volume:

Organizations are experiencing an unprecedented surge in data volume due to the proliferation of digital devices, sensors, and online interactions. This exponential growth necessitates robust data management practices, including cleaning, transforming, and preparing data for meaningful analysis. Additionally, data-wrangling tools are emerging as essential assets in this landscape, offering functionalities to handle large and diverse datasets efficiently. These tools enable organizations to automate repetitive tasks like data cleansing and integration, reducing the time and resources required for data preparation. Moreover, as data sources become more

numerous and varied, data-wrangling tools provide flexibility in handling structured, semi-structured, and unstructured data formats. Besides, adaptability ensures that organizations can extract valuable insights from data sources ranging from traditional databases to real-time streaming sources. Ultimately, the increasing demand for data-wrangling tools mirrors the critical need for streamlined data workflows to cope with modern data environments' complexities.

- **Rising Demand for Real-Time Data Processing:**

The shift toward real-time decision-making is driving businesses to seek faster insights from their data. This trend is due to the need to respond swiftly to market changes, customer behavior, and operational challenges. Additionally, data-wrangling tools equipped to handle streaming data and perform rapid transformations are becoming indispensable. These tools enable organizations to process data streams as they are generated, extracting actionable insights promptly. By integrating real-time data processing capabilities, businesses can enhance their agility and competitiveness in dynamic markets. Moreover, real-time data wrangling supports continuous analytics, allowing organizations to monitor trends, detect anomalies, and optimize processes in near real-time. This capability is particularly valuable in sectors such as finance, e-commerce, and IoT, where timely data-driven decisions can significantly impact business outcomes. As a result, the demand for data-wrangling tools that facilitate real-time insights continues to grow, reflecting the evolving nature of data analytics in contemporary business practices.

- **Advancements in AI and Machine Learning:**

Artificial intelligence (AI) and machine learning (ML) are revolutionizing data wrangling by automating complex tasks and enhancing analytical capabilities. These technologies are used for data analysis and for optimizing data preparation processes. AI-powered data wrangling tools can automatically identify patterns, clean and normalize data, and suggest transformations based on algorithms trained on large datasets. Additionally, organizations can streamline data wrangling workflows, improve data quality, and accelerate time-to-insight by leveraging AI. Furthermore, AI-driven tools adapt to evolving data trends and patterns, continuously learning and refining their algorithms to handle new challenges effectively. This adaptability is crucial in environments where data sources and formats frequently change or expand. Besides this, AI enhances scalability by reducing manual intervention in data-wrangling tasks, allowing data professionals to focus on more strategic initiatives. As AI and ML techniques advance, the integration of intelligent automation into data-wrangling tools promises even greater efficiency and effectiveness, driving innovation in data-driven decision-making across industries.

Competitive Landscape with Key Player:

- ALTERYX INC.
- Altair Engineering Inc.
- Hitachi Vantara Corporation
- Impetus Technologies Inc
- International Business Machines Corporation

- Oracle Corporation
- SAS Institute Inc.
- Teradata Corporation
- TIBCO Software Inc
- Trifacta Software Inc.

Report Segmentation:

The report has segmented the market into the following categories:

Breakup by Component:

- Solution
- Service

The solution represents the largest segment as it encompasses comprehensive software packages tailored for specific data wrangling needs.

Breakup by Deployment Mode:

- On-premises
- Cloud-based

On-premises account for the largest market share due to regulatory requirements, security concerns, and the need for direct control over data handling processes.

Breakup by Organization Size:

- Large Enterprises
- Small and Medium Enterprises

Large Enterprises dominate the market growth as they have substantial data volumes and resources to invest in sophisticated data-wrangling solutions.

Breakup by Business Function:

- Finance
- Marketing and Sales
- Operations
- Human Resources

Operations hold the largest market share as its efficient data management directly impacts operational efficiency and cost savings.

Breakup by Industry Vertical:

- BFSI
- Government and Public Sector
- Healthcare and Life Science
- Retail and E-commerce
- Media and Entertainment
- IT and Telecom
- Manufacturing
- Others

BFSI accounts for the largest market share owing to stringent regulatory requirements, complex data handling needs, and the critical importance of data integrity and security in banking and finance.

Market 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, Mexico, Others)
- Middle East and Africa

North America's dominance in the data-wrangling market is attributed to the Top of Formearly adoption of advanced technologies, high investments in data analytics, and a large number of technology companies driving innovation in data-wrangling solutions.

Global Data Wrangling Market Trends:

There is a rise in self-service data preparation tools that empower non-technical users to perform data-wrangling tasks independently. These tools often have intuitive interfaces and require minimal coding skills. Moreover, the increasing adoption of cloud computing, allows numerous organizations to move their data-wrangling processes to the cloud. This allows for scalability, flexibility, and collaboration among teams working with diverse datasets. Besides this, data wrangling tools are integrated with data governance and master data management (MDM) solutions. This ensures that data quality, security, and compliance are maintained throughout the wrangling process.

Note: If you need specific information that is not currently within the scope of the report, we will provide it to you as a part of the customization.

About Us

IMARC Group is a leading market research company that offers management strategy and market research worldwide. We partner with clients in all sectors and regions to identify their highest-value opportunities, address their most critical challenges, and transform their businesses.

IMARC's information products include major market, scientific, economic and technological developments for business leaders in pharmaceutical, industrial, and high technology organizations. Market forecasts and industry analysis for biotechnology, advanced materials, pharmaceuticals, food and beverage, travel and tourism, nanotechnology and novel processing methods are at the top of the company's expertise.

Our offerings include comprehensive market intelligence in the form of research reports, production cost reports, feasibility studies, and consulting services. Our team, which includes experienced researchers and analysts from various industries, is dedicated to providing high-

quality data and insights to our clientele, ranging from small and medium businesses to Fortune 1000 corporations.

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