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AI Training Dataset Market Size, Share & Trends Analysis Report By Type (Image/Video, Audio, Text), By Vertical (IT, Automotive, Government, Healthcare, BFSI, Retail & E-commerce), By Region, And Segment Forecasts, 2025 - 2030

https://marketpublishers.com/r/A214CAE11057EN.html
Date: November 2024
Pages: 100
Price: US$ 4,950.00 (Single User License)
ID: A214CAE11057EN

Abstracts

This report can be delivered to the clients within 3 Business Days

AI Training Dataset Market Growth & Trends

The global AI training dataset market size is expected treach USD 8.60 billion by 2030, registering a CAGR of 21.9% from 2025 t2030, according ta new report by Grand View Research, Inc. Artificial intelligence technology is witnessing an upsurge and as organizations are transitioning towards automation, the demand for technology is rising. The technology has provided unprecedented advances across various industry verticals, including marketing, healthcare, logistics, transportation, and many others. The benefits of integrating the technology across multiple operations of the organizations have outweighed its costs, thereby driving adoption.

Due tthe rapid adoption of artificial intelligence technology, the need for training datasets is rising exponentially. Tmake the technology more versatile and accurate with its predictions, many companies are entering the market by releasing various datasets operating across different use cases ttrain the machine learning algorithm. Such factors are substantially contributing tmarket growth. Prominent market participants such as Google, Microsoft, Apple Inc, and Amazon have been focusing on developing various AI training datasets. For instance, in September 2021, Amazon launched a new dataset of commonsense dialogue taid research in open-domain conversation.

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Factors such as the cultivation of new high-quality datasets tspeed up the development of AI technology and deliver accurate results are driving market growth. For instance, in January 2019, IBM Corporation, a technology company, announced the release of a new dataset that comprises 1 million images of faces. This dataset was released thelp developers train their face recognition systems supported by artificial intelligence technology with a diverse dataset. This dataset will allow them tincrease the accuracy of face identification. For instance, in May 2021, IBM launched a new data set called CodeNet with 14 million sample sets tdevelop machine learning models that can help in programming tasks.

AI Training Dataset Market Report Highlights

The Image/Videsegment dominated the market in 2024 with a market share of 41.0%, In the AI training dataset market, image and videdata are dominating due ttheir extensive use in computer vision applications.

The IT sector dominated the market in 2024 due tits widespread integration of artificial intelligence across various applications. Data from IT systems, such as network traffic, cybersecurity logs, and customer interactions, is used ttrain models for tasks like anomaly detection, automation, and predictive maintenance.

North America AI training dataset market leads the global market accounting for leading share of 35.8% in 2024. In North America, the AI training dataset market is experiencing robust growth, fueled by extensive investments in AI technologies and research.

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