

Global AI and Machine Learning in Genomics Market Growth (Status and Outlook) 2026-2032

<https://marketpublishers.com/r/GD79890682DAEN.html>

Date: May 2026

Pages: 81

Price: US\$ 3,660.00 (Single User License)

ID: GD79890682DAEN

Abstracts

The global AI and Machine Learning in Genomics market size is predicted to grow from US\$ million in 2025 to US\$ million in 2032; it is expected to grow at a CAGR of % from 2026 to 2032.

AI and machine learning applications in genomics involve using computational techniques to analyze vast genomic datasets. This aids in genome sequencing, variant analysis, drug discovery, and personalized medicine.

United States market for AI and Machine Learning in Genomics is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for AI and Machine Learning in Genomics is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for AI and Machine Learning in Genomics is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key AI and Machine Learning in Genomics players cover Sophia Genetics, BenevolentAI, Illumina, Inc., Thermo Fisher Scientific Inc., Mellanox Technologies, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LPI (LP Information)' newest research report, the "AI and Machine Learning in Genomics Industry Forecast" looks at past sales and reviews total world AI and Machine Learning in Genomics sales in 2025, providing a comprehensive analysis by

region and market sector of projected AI and Machine Learning in Genomics sales for 2026 through 2032. With AI and Machine Learning in Genomics sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world AI and Machine Learning in Genomics industry.

This Insight Report provides a comprehensive analysis of the global AI and Machine Learning in Genomics landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on AI and Machine Learning in Genomics portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global AI and Machine Learning in Genomics market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for AI and Machine Learning in Genomics and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global AI and Machine Learning in Genomics.

This report presents a comprehensive overview, market shares, and growth opportunities of AI and Machine Learning in Genomics market by product type, application, key players and key regions and countries.

Segmentation by Type:

Machine Learning

Computer Vision

Segmentation by Application:

Drug Discovery and Development

Precision Medicine

Diagnostics

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Sophia Genetics

BenevolentAI

Illumina, Inc.

Thermo Fisher Scientific Inc.

MellanoX Technologies

Microsoft Corporation

Data4Cure, Inc

Freenome Holdings, Inc

Deep Genomics

IBM Corporation

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