

AI in Genomics Market: A Comprehensive Study Exploring with Microsoft, Data4Cure, Lifebit

According to HTF Market Intelligence, the AI in Genomics Market is expected to register a CAGR of 40.1% during the forecast period.

PUNE, MAHARASHTRA, INDIA, July 18, 2024 /EINPresswire.com/ -- The latest study released on the Global [AI in Genomics Market](#) by HTF MI evaluates market size, trend, and forecast to 2030. The AI in Genomics market study covers significant research data and proofs to be a handy resource document for managers, analysts, industry experts and other key people to have ready-to-access and self-analyzed study to help understand market trends, growth drivers, opportunities and upcoming challenges and about the competitors.



AI in Genomics Market

Key Players in This Report Include: IBM (United States), Microsoft (United States), NVIDIA Corporation (United States), Data4Cure Inc. (United States), DNAnexus Inc. (United States), Sophia GENETICS (United States), Data4Cure Inc. (United States), Precisionlife Ltd (United Kingdom), Genoox Ltd. (United States), Lifebit (United Kingdom), Diploid (Belgium), MEDGENOME (United States), NetApp, Inc. (United States)



Stay up-to-date with Global AI in Genomics Market Research offered by HTF MI. Check how key trends and emerging drivers are shaping this industry growth."

Nidhi Bhawsar

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https://www.htfmarketintelligence.com/sample-report/global-ai-in-genomics-market?utm_source=Krati_EINnews&utm_id=Krati

Definition:

AI in genomics refers to the application of artificial intelligence (AI) techniques and algorithms in

the field of genomics, which involves the study of an organism's complete set of genetic material, including genes, DNA sequences, and their interactions. AI in genomics utilizes computational methods to analyze and interpret large-scale genomic data, such as DNA sequencing data, gene expression data, and genetic variation data, with the goal of gaining insights into genetic functions, disease mechanisms, and personalized medicine.

Market Trends:

The adoption of AI in genomics is on the rise. Researchers, pharmaceutical companies, and healthcare providers are recognizing the potential of AI to analyze and interpret complex genomic data. The demand for AI tools and solutions in genomics is expected to grow as the technology proves its value in improving disease understanding, diagnosis, and treatment.

Market Drivers:

The advancements in DNA sequencing technologies have led to a rapid increase in genomic data generation. The decreasing cost of sequencing and the availability of high-throughput sequencing platforms have resulted in vast amounts of genomic data being generated across research institutions, clinics, and biotechnology companies.

Market Opportunities:

Genomics has witnessed an explosion in data generation, primarily due to advancements in DNA sequencing technologies. AI can efficiently analyze and interpret this vast amount of genomic data, making it a critical tool for researchers and clinicians.

Market Leaders & Development Strategies:

On 13 April 2022, MedGenome Labs, a South Asian genomics research and diagnostics company, has created and launched VarMiner, an AI-enabled variant interpretation software suite. This programme, according to the business, will assist clinicians, molecular geneticists, and genome analysts in interpreting and reporting actionable genetic variants.

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The Global AI in Genomics Market segments and Market Data Break Down are illuminated below:

AI in Genomics Market is Segmented by Application (Hospitals, Research Laboratories, Pharmaceuticals Companies, Biotechnology Companies) by Type (Structural Genomics, Functional Genomics, Comparative Genomics, Mutation Genomics) by Technology (Artificial Intelligence, Machine Learning) and by Geography (North America, South America, Europe, Asia Pacific, MEA)

Global AI in Genomics market report highlights information regarding the current and future industry trends, growth patterns, as well as it offers business strategies to help the stakeholders in making sound decisions that may help to ensure the profit trajectory over the forecast years.

Geographically, the detailed analysis of consumption, revenue, market share, and growth rate of the following regions:

- The Middle East and Africa (South Africa, Saudi Arabia, UAE, Israel, Egypt, etc.)
- North America (United States, Mexico & Canada)
- South America (Brazil, Venezuela, Argentina, Ecuador, Peru, Colombia, etc.)
- Europe (Turkey, Spain, Turkey, Netherlands Denmark, Belgium, Switzerland, Germany, Russia UK, Italy, France, etc.)
- Asia-Pacific (Taiwan, Hong Kong, Singapore, Vietnam, China, Malaysia, Japan, Philippines, Korea, Thailand, India, Indonesia, and Australia).

Objectives of the Report

- -To carefully analyze and forecast the size of the AI in Genomics market by value and volume.
- -To estimate the market shares of major segments of the AI in Genomics
- -To showcase the development of the AI in Genomics market in different parts of the world.
- -To analyze and study micro-markets in terms of their contributions to the AI in Genomics market, their prospects, and individual growth trends.
- -To offer precise and useful details about factors affecting the growth of the AI in Genomics
- -To provide a meticulous assessment of crucial business strategies used by leading companies operating in the AI in Genomics market, which include research and development, collaborations, agreements, partnerships, acquisitions, mergers, new developments, and product launches.

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Major highlights from Table of Contents:

AI in Genomics Market Study Coverages:

- It includes major manufacturers, emerging player's growth story, and major business segments of AI in Genomics market, years considered, and research objectives. Additionally, segmentation on the basis of the type of product, application, and technology.
- AI in Genomics Market Executive Summary: It gives a summary of overall studies, growth rate, available market, competitive landscape, market drivers, trends, and issues, and macroscopic indicators.
- AI in Genomics Market Production by Region AI in Genomics Market Profile of Manufacturers-players are studied on the basis of SWOT, their products, production, value, financials, and other vital factors.

Key Points Covered in AI in Genomics Market Report:

- AI in Genomics Overview, Definition and Classification Market drivers and barriers
- AI in Genomics Market Competition by Manufacturers
- Impact Analysis of COVID-19 on AI in Genomics Market
- AI in Genomics Capacity, Production, Revenue (Value) by Region (2023-2030)

- AI in Genomics Supply (Production), Consumption, Export, Import by Region (2023-2030)
- AI in Genomics Production, Revenue (Value), Price Trend by Type {Structural Genomics, Functional Genomics, Comparative Genomics, Mutation Genomics}
- AI in Genomics Manufacturers Profiles/Analysis AI in Genomics Manufacturing Cost Analysis, Industrial/Supply Chain Analysis, Sourcing Strategy and Downstream Buyers, Marketing
- Strategy by Key Manufacturers/Players, Connected Distributors/Traders Standardization, Regulatory and collaborative initiatives, Industry road map and value chain Market Effect Factors Analysis.

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Key questions answered

- How feasible is AI in Genomics market for long-term investment?
- What are influencing factors driving the demand for AI in Genomics near future?
- What is the impact analysis of various factors in the Global AI in Genomics market growth?
- What are the recent trends in the regional market and how successful they are?

Thanks for reading this article; you can also get individual chapter wise section or region wise report version like North America, Middle East, Africa, Europe or LATAM, Southeast Asia.

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