

Global Pre-trained Language Models (PLMs) Market 2025 by Company, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Pre-trained Language Models (PLMs) market size was valued at US\$ 709 million in 2024 and is forecast to a readjusted size of USD 1312 million by 2031 with a CAGR of 9.3% during review period.

A pre-trained language model is a pivotal technological breakthrough that Baidu hails as the cornerstone of reshaping the field of Natural Language Processing (NLP). It learns unsupervisedly from large-scale text data to capture the deep structure and rich semantic information of language. The necessity of such a model lies in its ability to alleviate the scarcity of annotated data, making the training process for specific tasks more efficient and cost-effective. Its distinctive characteristic is the use of high-dimensional dense continuous vectors to represent linguistic knowledge, which not only capture static information about words but also reflect their dynamic changes in different contexts. The superiority of pre-trained language models is evident in their provision of powerful language understanding and generation capabilities across a variety of NLP tasks, significantly enhancing task performance and driving the advancement and widespread application of NLP technology.

This report is a detailed and comprehensive analysis for global Pre-trained Language Models (PLMs) market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Pre-trained Language Models (PLMs) market size and forecasts, in consumption value (\$ Million), 2020-2031

Global Pre-trained Language Models (PLMs) market size and forecasts by region and country, in consumption value (\$ Million), 2020-2031

Global Pre-trained Language Models (PLMs) market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2020-2031

Global Pre-trained Language Models (PLMs) market shares of main players, in revenue (\$ Million), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Pre-trained Language Models (PLMs)

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Pre-trained Language Models (PLMs) market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include IBM, OpenAI, Google, Facebook AI, Amazon Web Services, Alibaba, Baidu, Shanghai Leyan Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market segmentation

Pre-trained Language Models (PLMs) market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

TransformerLM

RNNLM

CNNLM

Market segment by Application

Machine Translation

Text and Voice Processing

Information Extraction

Question Answering System

Market segment by players, this report covers

IBM

OpenAI

Google

Facebook AI

Amazon Web Services

Alibaba

Baidu

Shanghai Leyan Technology

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Pre-trained Language Models (PLMs) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Pre-trained Language Models (PLMs), with revenue, gross margin, and global market share of Pre-trained Language Models (PLMs) from 2020 to 2025.

Chapter 3, the Pre-trained Language Models (PLMs) competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2020 to 2031

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2020 to 2025. and Pre-trained Language Models (PLMs) market forecast, by regions, by Type and by Application, with consumption value, from 2026 to 2031.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Pre-trained Language Models (PLMs).

Chapter 13, to describe Pre-trained Language Models (PLMs) research findings and conclusion.

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