

Data Science Education Market Forecasts to 2034 – Global Analysis By Learning Mode (Classroom Learning, Online Learning, and Blended Learning), Course Type (Certificate Programs, Diploma Programs, Undergraduate Programs, Postgraduate Programs, Corporate Training, and Bootcamps), Delivery Model, End User, and By Geography

<https://marketpublishers.com/r/DCA981549B81EN.html>

Date: July 2026

Pages: 0

Price: US\$ 4,150.00 (Single User License)

ID: DCA981549B81EN

Abstracts

According to Statistics MRC, the Global Data Science Education Market is accounted for \$8.0 billion in 2026 and is expected to reach \$26.0 billion by 2034 growing at a CAGR of 15.8% during the forecast period. Data science education encompasses training programs, courses, and resources designed to teach data analysis, machine learning, artificial intelligence, statistics, programming, and related skills. This market includes self-paced learning platforms, instructor-led training programs, university degrees, bootcamps, and corporate training solutions serving students, working professionals, enterprises, and government organizations. Growing demand for data-driven decision-making across industries, increasing adoption of AI and analytics, and the global shortage of skilled data professionals are key drivers of market expansion.

Market Dynamics:

Driver:

Growing demand for data science skills across all industries

The rapid digital transformation across industries and the increasing reliance on data-driven decision-making are primary drivers for the data science education market.

Organizations across finance, healthcare, retail, manufacturing, and technology sectors require professionals with data analysis, machine learning, and AI skills. The global shortage of qualified data scientists and analysts is creating significant demand for education and training programs. As data becomes increasingly central to business strategy and operations, demand for data science education continues growing across all industry verticals. This sustained demand for skilled professionals is driving investment in both academic programs and professional training.

Restraint:

High cost and accessibility of quality education programs

The significant costs associated with data science education and limited accessibility represent major restraints for market growth. Comprehensive data science programs, particularly university degrees and intensive bootcamps, require substantial financial investment that may be prohibitive for many learners. Access to quality education is uneven across regions, with developed countries offering more programs and resources. The digital divide affects access to online learning in underserved regions. Maintaining curriculum relevance requires continuous updates, straining educational providers. These cost and accessibility barriers limit market reach and participation, particularly among individuals from disadvantaged backgrounds.

Opportunity:

Integration of generative AI and hands-on learning platforms

The rapid advancement of generative AI technologies presents significant opportunities for data science education market expansion. AI-powered learning platforms can provide personalized instruction, real-time feedback, and adaptive learning paths tailored to individual needs. Generative AI enables creation of realistic datasets for practice and project-based learning. Virtual labs and cloud-based environments provide hands-on experience without expensive infrastructure. Interactive platforms incorporating AI assistance are making data science more accessible to beginners. As AI capabilities advance and more organizations recognize the value of hands-on learning, demand for AI-integrated data science education accelerates.

Threat:

Rapidly evolving technology and curriculum obsolescence

The extremely rapid pace of technological change in data science and AI poses significant threats to educational programs. Tools, frameworks, and methodologies evolve quickly, requiring continuous curriculum updates to remain relevant. Educational providers may struggle to keep pace with industry developments, leading to graduates with outdated skills. The emergence of new technologies including generative AI may fundamentally change data science workflows and required skillsets. Balancing foundational knowledge with current tools is challenging for program design. This rapid evolution may discourage educational investment and affect perceived program value.

Covid-19 Impact:

The COVID-19 pandemic significantly accelerated data science education adoption. The shift to remote work and digital operations increased demand for data analytics skills across industries. Online learning adoption surged as lockdowns closed campuses and training facilities. Virtual collaboration and cloud-based tools enabled continued instruction. The pandemic highlighted the importance of data-driven decision-making for crisis response and business resilience. Demand for data science skills continued growing as organizations accelerated digital transformation. Post-pandemic, hybrid and online learning models have become standard, with sustained interest in data science education. The crisis also demonstrated the effectiveness and accessibility of online learning.

The Self-Paced Learning segment is expected to be the largest during the forecast period

The Self-Paced Learning segment is expected to account for the largest market share during the forecast period, driven by flexibility, accessibility, and affordability advantages over structured programs. Self-paced learning enables individuals to study at their own speed, accommodating diverse schedules and learning styles. Online platforms offer extensive course libraries covering data science topics at various levels, from beginner to advanced. Subscription and per-course pricing models make learning accessible to a broad audience. Working professionals seeking skill enhancement while maintaining employment particularly benefit. As lifelong learning becomes essential and online platforms expand, self-paced learning maintains the largest market share.

The Working Professionals segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the Working Professionals segment is predicted to witness the highest growth rate, fueled by the increasing need for upskilling and reskilling in data-driven industries. Working professionals seek data science skills for career advancement, job security, and transition to more technical roles. Employers increasingly require data literacy across all functions. The acceleration of digital transformation has highlighted data skill gaps. Short-term, flexible programs including online courses, bootcamps, and part-time degrees enable professionals to enhance skills without career interruption. As organizations prioritize data capabilities, working professionals deliver the fastest end-user growth.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share, supported by strong demand for data science skills, established educational infrastructure, and significant corporate training investment. The United States is home to numerous leading universities, bootcamps, and online platforms offering data science education. Strong technology sector and high adoption of data-driven business practices create substantial demand. Corporate training and professional development programs are well-established across industries. Government initiatives promoting STEM education support market growth. With strong educational infrastructure and sustained demand, North America maintains its dominant market position.

Region with highest CAGR:

Over the forecast period, the Asia-Pacific region is anticipated to exhibit the highest CAGR, driven by digital transformation, large populations of students and professionals, and government technology education initiatives. Countries including India, China, Singapore, and Australia are experiencing growing demand for data science education across academic and professional segments. The region's large technology workforce and expanding digital economy create substantial addressable market. Government initiatives promoting digital skills development support market expansion. As organizations across the region adopt data-driven strategies, demand for data science education accelerates. With large populations and technology advancement, Asia Pacific delivers the fastest market growth globally.

Key players in the market

Some of the key players in Data Science Education Market include Coursera, Inc.,

Udacity, Inc., Udemy, Inc., edX LLC, Simplilearn Solutions Pvt. Ltd., DataCamp, Inc., Great Learning Education Services Private Limited, upGrad Education Private Limited, Pluralsight, LLC, LinkedIn Corporation, Skillsoft Corporation, Springboard, Inc., Scaler Academy, NIIT Limited, Emeritus Institute of Management Pte. Ltd., General Assembly Space, Inc., 365 Data Science Ltd., and Codecademy LLC.

Key Developments:

In June 2026, Simplilearn introduced a portfolio of specialized programs focused on the emerging enterprise landscape, releasing dedicated courses in Applied Agentic AI alongside corporate certifications from Michigan Engineering and IIT Madras to train data teams in system verification.

In May 2026, Skillsoft entered into a definitive agreement to divest its Global Knowledge instructor-led training (ILT) business to Enduring Ventures for up to \$20 million, allowing the company to strictly focus resources on scaling its core, cloud-based 'AI-native skills management platform.'

In May 2026, upGrad School of Technology launched a comprehensive merit-and-need-based scholarship initiative, offering up to 100% tuition coverage for its specialized four-year B.Tech programmes in Computer Science, Artificial Intelligence, and Machine Learning to bridge the advanced tech skills gap.

Learning Modes Covered:

Classroom Learning

Online Learning

Blended Learning

Course Types Covered:

Certificate Programs

Diploma Programs

Undergraduate Programs

Postgraduate Programs

Corporate Training

Bootcamps

Delivery Models Covered:

Self-Paced Learning

Instructor-Led Training

End Users Covered:

Students

Working Professionals

Enterprises

Government Organizations

Regions Covered:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Italy

Spain

Netherlands

Belgium

Sweden

Switzerland

Poland

Rest of Europe

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Thailand

Malaysia

Singapore

Vietnam

Rest of Asia Pacific

South America

Brazil

Argentina

Colombia

Chile

Peru

Rest of South America

Rest of the World (RoW)

Middle East

Saudi Arabia

United Arab Emirates

Qatar

Israel

Rest of Middle East

Africa

South Africa

Egypt

Morocco

Rest of Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

- 1.1 Market Snapshot and Key Highlights
- 1.2 Growth Drivers, Challenges, and Opportunities
- 1.3 Competitive Landscape Overview
- 1.4 Strategic Insights and Recommendations

2 RESEARCH FRAMEWORK

- 2.1 Study Objectives and Scope
- 2.2 Stakeholder Analysis
- 2.3 Research Assumptions and Limitations
- 2.4 Research Methodology
 - 2.4.1 Data Collection (Primary and Secondary)
 - 2.4.2 Data Modeling and Estimation Techniques
 - 2.4.3 Data Validation and Triangulation
 - 2.4.4 Analytical and Forecasting Approach

3 MARKET DYNAMICS AND TREND ANALYSIS

- 3.1 Market Definition and Structure
- 3.2 Key Market Drivers
- 3.3 Market Restraints and Challenges
- 3.4 Growth Opportunities and Investment Hotspots
- 3.5 Industry Threats and Risk Assessment
- 3.6 Technology and Innovation Landscape
- 3.7 Emerging and High-Growth Markets
- 3.8 Regulatory and Policy Environment
- 3.9 Impact of COVID-19 and Recovery Outlook

4 COMPETITIVE AND STRATEGIC ASSESSMENT

- 4.1 Porter's Five Forces Analysis
 - 4.1.1 Supplier Bargaining Power
 - 4.1.2 Buyer Bargaining Power
 - 4.1.3 Threat of Substitutes
 - 4.1.4 Threat of New Entrants

- 4.1.5 Competitive Rivalry
- 4.2 Market Share Analysis of Key Players
- 4.3 Product Benchmarking and Performance Comparison

5 GLOBAL DATA SCIENCE EDUCATION MARKET, BY LEARNING MODE

- 5.1 Classroom Learning
- 5.2 Online Learning
- 5.3 Blended Learning

6 GLOBAL DATA SCIENCE EDUCATION MARKET, BY COURSE TYPE

- 6.1 Certificate Programs
- 6.2 Diploma Programs
- 6.3 Undergraduate Programs
- 6.4 Postgraduate Programs
- 6.5 Corporate Training
- 6.6 Bootcamps

7 GLOBAL DATA SCIENCE EDUCATION MARKET, BY DELIVERY MODEL

- 7.1 Self-Paced Learning
- 7.2 Instructor-Led Training

8 GLOBAL DATA SCIENCE EDUCATION MARKET, BY END USER

- 8.1 Students
- 8.2 Working Professionals
- 8.3 Enterprises
- 8.4 Government Organizations

9 GLOBAL DATA SCIENCE EDUCATION MARKET, BY GEOGRAPHY

- 9.1 North America
 - 9.1.1 United States
 - 9.1.2 Canada
 - 9.1.3 Mexico
- 9.2 Europe
 - 9.2.1 United Kingdom

- 9.2.2 Germany
- 9.2.3 France
- 9.2.4 Italy
- 9.2.5 Spain
- 9.2.6 Netherlands
- 9.2.7 Belgium
- 9.2.8 Sweden
- 9.2.9 Switzerland
- 9.2.10 Poland
- 9.2.11 Rest of Europe
- 9.3 Asia Pacific
 - 9.3.1 China
 - 9.3.2 Japan
 - 9.3.3 India
 - 9.3.4 South Korea
 - 9.3.5 Australia
 - 9.3.6 Indonesia
 - 9.3.7 Thailand
 - 9.3.8 Malaysia
 - 9.3.9 Singapore
 - 9.3.10 Vietnam
 - 9.3.11 Rest of Asia Pacific
- 9.4 South America
 - 9.4.1 Brazil
 - 9.4.2 Argentina
 - 9.4.3 Colombia
 - 9.4.4 Chile
 - 9.4.5 Peru
 - 9.4.6 Rest of South America
- 9.5 Rest of the World (RoW)
 - 9.5.1 Middle East
 - 9.5.1.1 Saudi Arabia
 - 9.5.1.2 United Arab Emirates
 - 9.5.1.3 Qatar
 - 9.5.1.4 Israel
 - 9.5.1.5 Rest of Middle East
 - 9.5.2 Africa
 - 9.5.2.1 South Africa
 - 9.5.2.2 Egypt

9.5.2.3 Morocco

9.5.2.4 Rest of Africa

10 STRATEGIC MARKET INTELLIGENCE

10.1 Industry Value Network and Supply Chain Assessment

10.2 White-Space and Opportunity Mapping

10.3 Product Evolution and Market Life Cycle Analysis

10.4 Channel, Distributor, and Go-to-Market Assessment

11 INDUSTRY DEVELOPMENTS AND STRATEGIC INITIATIVES

11.1 Mergers and Acquisitions

11.2 Partnerships, Alliances, and Joint Ventures

11.3 New Product Launches and Certifications

11.4 Capacity Expansion and Investments

11.5 Other Strategic Initiatives

12 COMPANY PROFILES

12.1 Coursera, Inc.

12.2 Udacity, Inc.

12.3 Udemy, Inc.

12.4 edX LLC

12.5 Simplilearn Solutions Pvt. Ltd.

12.6 DataCamp, Inc.

12.7 Great Learning Education Services Private Limited

12.8 upGrad Education Private Limited

12.9 Pluralsight, LLC

12.10 LinkedIn Corporation

12.11 Skillsoft Corporation

12.12 Springboard, Inc.

12.13 Scaler Academy

12.14 NIIT Limited

12.15 Emeritus Institute of Management Pte. Ltd.

12.16 General Assembly Space, Inc.

12.17 365 Data Science Ltd.

12.18 Codecademy LLC

List Of Tables

LIST OF TABLES

Table 1 Global Data Science Education Market Outlook, By Region (2023–2034) (\$MN)

Table 2 Global Data Science Education Market Outlook, By Learning Mode (2023–2034) (\$MN)

Table 3 Global Data Science Education Market Outlook, By Classroom Learning (2023–2034) (\$MN)

Table 4 Global Data Science Education Market Outlook, By Online Learning (2023–2034) (\$MN)

Table 5 Global Data Science Education Market Outlook, By Blended Learning (2023–2034) (\$MN)

Table 6 Global Data Science Education Market Outlook, By Course Type (2023–2034) (\$MN)

Table 7 Global Data Science Education Market Outlook, By Certificate Programs (2023–2034) (\$MN)

Table 8 Global Data Science Education Market Outlook, By Diploma Programs (2023–2034) (\$MN)

Table 9 Global Data Science Education Market Outlook, By Undergraduate Programs (2023–2034) (\$MN)

Table 10 Global Data Science Education Market Outlook, By Postgraduate Programs (2023–2034) (\$MN)

Table 11 Global Data Science Education Market Outlook, By Corporate Training (2023–2034) (\$MN)

Table 12 Global Data Science Education Market Outlook, By Bootcamps (2023–2034) (\$MN)

Table 13 Global Data Science Education Market Outlook, By Delivery Model (2023–2034) (\$MN)

Table 14 Global Data Science Education Market Outlook, By Self-Paced Learning (2023–2034) (\$MN)

Table 15 Global Data Science Education Market Outlook, By Instructor-Led Training (2023–2034) (\$MN)

Table 16 Global Data Science Education Market Outlook, By End User (2023–2034) (\$MN)

Table 17 Global Data Science Education Market Outlook, By Students (2023–2034) (\$MN)

Table 18 Global Data Science Education Market Outlook, By Working Professionals (2023–2034) (\$MN)

Table 19 Global Data Science Education Market Outlook, By Enterprises (2023–2034)
(\$MN)

Table 20 Global Data Science Education Market Outlook, By Government
Organizations (2023–2034) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Rest of the World
(RoW) Regions are also represented in the same manner as above.

I would like to order

Product name: Data Science Education Market Forecasts to 2034 – Global Analysis By Learning Mode (Classroom Learning, Online Learning, and Blended Learning), Course Type (Certificate Programs, Diploma Programs, Undergraduate Programs, Postgraduate Programs, Corporate Training, and Bootcamps), Delivery Model, End User, and By Geography

Product link: <https://marketpublishers.com/r/DCA981549B81EN.html>

Price: US\$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/DCA981549B81EN.html>