

Learning Analytics Market Forecasts to 2034 – Global Analysis By Component (Software and Services), Deployment Mode, Analytics Type, Data Source, Application, End User and By Geography

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Abstracts

According to Statistics MRC, the Global Learning Analytics Market is accounted for \$8.3 billion in 2026 and is expected to reach \$31.2 billion by 2034, growing at a CAGR of 18.0% during the forecast period. Learning analytics refers to the measurement, collection, analysis, and reporting of data about learners and their contexts for purposes of understanding and optimizing learning experiences and educational environments. These systems integrate data from multiple sources including learning management systems, student information systems, assessment platforms, and digital content repositories to generate actionable insights about learner behavior, performance patterns, and engagement levels. Learning analytics platforms employ statistical analysis, machine learning algorithms, and data visualization techniques to identify at-risk students, predict academic outcomes, personalize learning pathways, and inform institutional decision-making.

Market Dynamics:

Driver:

Data-driven educational decision making

Educational institutions are increasingly embracing evidence-based approaches that leverage learning analytics to inform instructional strategies, resource allocation, and student support interventions. The proliferation of digital learning platforms generates unprecedented volumes of granular data about student interactions, performance

trajectories, and engagement patterns. Administrators recognize that analytics-driven insights enable proactive identification of struggling students before academic failure occurs. Faculty members utilize learning analytics dashboards to adjust teaching methods in real-time based on class-wide comprehension indicators. The competitive pressure to improve retention rates, graduation outcomes, and institutional rankings compels investment in sophisticated analytics capabilities. As educational stakeholders become more data-literate, demand for comprehensive learning analytics solutions continues accelerating across all education segments.

Restraint:

Data integration and interoperability challenges

Educational institutions operate complex technology ecosystems with numerous disconnected systems that generate data in incompatible formats and structures. Learning management systems, student information systems, assessment platforms, and library systems frequently lack standardized APIs, making comprehensive data aggregation technically challenging and expensive. Data quality issues including incomplete records, inconsistent formatting, and duplicate entries compromise analytics accuracy and reliability. Privacy regulations restrict how learner data can be collected, stored, and analyzed, creating compliance complexity that slows implementation. The technical expertise required to configure and maintain analytics platforms exceeds capacity at many institutions, particularly smaller organizations with limited IT resources. These integration barriers limit the effectiveness of learning analytics deployments.

Opportunity:

Predictive analytics for student success

Advanced predictive modeling capabilities are transforming learning analytics from descriptive reporting to proactive intervention systems that anticipate student challenges before they manifest academically. Machine learning algorithms analyzing historical patterns can identify early warning indicators of dropout risk, course failure, or disengagement with remarkable accuracy. These predictive insights enable advisors and faculty to deliver targeted support precisely when students need it most. Early alert systems automatically trigger intervention workflows including tutoring referrals, counseling outreach, or academic accommodation discussions. The integration of predictive analytics with automated communication platforms creates scalable support mechanisms that human advisors alone cannot provide. As institutions face increasing

accountability for student outcomes, predictive analytics capabilities are becoming essential infrastructure rather than optional enhancements.

Threat:

Algorithmic bias and ethical concerns

Learning analytics systems trained on historical data may perpetuate or amplify existing biases that disadvantage underrepresented student populations. Predictive models developed primarily on majority demographic data may mischaracterize risk patterns for minority students, leading to inappropriate interventions or missed support needs. The opacity of machine learning algorithms creates accountability challenges when automated systems influence consequential decisions about academic standing, financial aid, or program placement. Student privacy concerns intensify as analytics platforms collect increasingly granular behavioral data including keystroke patterns, eye movements, and social interactions. Without robust ethical frameworks, transparency mechanisms, and bias auditing procedures, learning analytics risks generating mistrust among students and educators that undermines adoption and effectiveness.

Covid-19 Impact:

The pandemic dramatically accelerated learning analytics adoption by creating urgent need to monitor student engagement and performance in remote learning environments where traditional observation methods became impossible. Institutions rapidly deployed analytics platforms to track login patterns, assignment submission rates, and video viewership as proxy indicators of student wellbeing. The crisis revealed significant data infrastructure gaps that organizations are now addressing through accelerated analytics investments. Post-pandemic, hybrid learning models require more sophisticated analytics capable of integrating in-person and digital engagement data into unified learner profiles. The pandemic also heightened awareness of equity issues in data-driven decision making, prompting development of more inclusive analytics methodologies.

The Software segment is expected to be the largest during the forecast period

The Software segment is expected to account for the largest market share during the forecast period, due to the essential role of analytics platforms, dashboards, and visualization tools in processing and presenting educational data insights. Learning analytics software provides the computational infrastructure necessary to aggregate

data from disparate sources, apply statistical models, and generate actionable reports. Organizations prioritize platform investments because software solutions deliver the core functionality enabling evidence-based educational decision making. The continuous enhancement of artificial intelligence and machine learning algorithms within these platforms improves prediction accuracy and insight depth. As educational data volumes grow exponentially, demand for sophisticated analytics software capable of handling big data workloads maintains dominant market positioning.

The Cloud-Based segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the Cloud-Based segment is predicted to witness the highest growth rate, driven by the computational intensity of analytics processing and the need for scalable infrastructure capable of handling large educational datasets. Cloud deployment eliminates the need for institutions to maintain expensive on-premises server infrastructure while providing elastic computing resources that scale with analytical workload demands. Cloud platforms facilitate easier integration with other cloud-based educational applications including learning management systems and student information systems. Enhanced security and compliance certifications in major cloud environments address institutional concerns about sensitive student data protection. The subscription-based pricing model of cloud analytics aligns costs with actual usage, making advanced capabilities accessible to smaller institutions.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share, due to advanced educational technology infrastructure and substantial institutional investment in data-driven decision making. The United States leads in learning analytics adoption across higher education and K-12 sectors with significant research and development activity. Strong venture capital funding supports continuous innovation in analytics algorithms and platform capabilities. Favorable regulatory frameworks encourage educational data utilization while maintaining privacy protections. The presence of leading analytics providers including Instructure, D2L, and Civitas Learning creates robust ecosystem support for institutional implementation.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR, due to massive student populations and government initiatives promoting

educational technology and data-driven school improvement. Countries including China, India, and Australia are investing heavily in digital education infrastructure that generates data suitable for analytics applications. The region's competitive examination systems create strong demand for performance analytics and early intervention capabilities. Rapidly improving internet infrastructure and cloud computing availability enable sophisticated analytics deployment. Local and international analytics providers are developing culturally relevant solutions aligned with regional educational priorities and data governance requirements.

Key players in the market

Some of the key players in Learning Analytics Market include Anthology Inc., Instructure, Inc., D2L Corporation, Civitas Learning, Inc., PowerSchool Holdings, Inc., Oracle Corporation, Microsoft Corporation, IBM Corporation, SAP SE, SAS Institute Inc., Jenzabar, Inc., Ellucian, QlikTech International AB, Turnitin LLC, and Domoscio..

Key Developments:

In June 2026, Instructure, Inc. launched an advanced learning analytics engine within Canvas LMS featuring predictive risk scoring and automated intervention recommendations based on multi-source behavioral data integration.

In May 2026, Microsoft Corporation expanded its Education Insights platform with AI-powered early warning systems identifying at-risk students through analysis of Teams engagement, assignment patterns, and wellbeing indicators.

Components Covered:

Software

Services

Deployment Modes Covered:

Cloud-Based

On-Premises

Analytics Types Covered:

Descriptive Analytics

Diagnostic Analytics

Predictive Analytics

Prescriptive Analytics

Data Sources Covered:

Learning Management Systems (LMS)

Student Information Systems (SIS)

Assessment Platforms

Massive Open Online Courses (MOOCs)

Classroom & Attendance Systems

Collaboration & Communication Platforms

Digital Content Platforms

Applications Covered:

Student Performance Monitoring

Curriculum Development

Personalized Learning

Student Retention & Success

Academic Planning

Adaptive Learning

Assessment & Evaluation

Faculty Performance Analytics

Administrative Decision Support

Learning Management Optimization

End Users Covered:

K-12 Education

Higher Education

Corporate Learning & Training

Government & Public Sector

Vocational & Technical Education

Online Learning Providers

Educational Research 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 LEARNING ANALYTICS MARKET, BY COMPONENT

- 5.1 Software
 - 5.1.1 Learning Analytics Platforms
 - 5.1.2 Dashboards & Visualization Tools
 - 5.1.3 Predictive Analytics Solutions
 - 5.1.4 Reporting & Assessment Tools
- 5.2 Services
 - 5.2.1 Consulting
 - 5.2.2 Implementation & Integration
 - 5.2.3 Training & Support
 - 5.2.4 Managed Services

6 GLOBAL LEARNING ANALYTICS MARKET, BY DEPLOYMENT MODE

- 6.1 Cloud-Based
 - 6.1.1 Public Cloud
 - 6.1.2 Private Cloud
 - 6.1.3 Hybrid Cloud
- 6.2 On-Premises

7 GLOBAL LEARNING ANALYTICS MARKET, BY ANALYTICS TYPE

- 7.1 Descriptive Analytics
- 7.2 Diagnostic Analytics
- 7.3 Predictive Analytics
- 7.4 Prescriptive Analytics

8 GLOBAL LEARNING ANALYTICS MARKET, BY DATA SOURCE

- 8.1 Learning Management Systems (LMS)
- 8.2 Student Information Systems (SIS)
- 8.3 Assessment Platforms
- 8.4 Massive Open Online Courses (MOOCs)
- 8.5 Classroom & Attendance Systems

8.6 Collaboration & Communication Platforms

8.7 Digital Content Platforms

9 GLOBAL LEARNING ANALYTICS MARKET, BY APPLICATION

9.1 Student Performance Monitoring

9.2 Curriculum Development

9.3 Personalized Learning

9.4 Student Retention & Success

9.5 Academic Planning

9.6 Adaptive Learning

9.7 Assessment & Evaluation

9.8 Faculty Performance Analytics

9.9 Administrative Decision Support

9.10 Learning Management Optimization

10 GLOBAL LEARNING ANALYTICS MARKET, BY END USER

10.1 K–12 Education

10.2 Higher Education

10.3 Corporate Learning & Training

10.4 Government & Public Sector

10.5 Vocational & Technical Education

10.6 Online Learning Providers

10.7 Educational Research Organizations

11 GLOBAL LEARNING ANALYTICS MARKET, BY GEOGRAPHY

11.1 North America

11.1.1 United States

11.1.2 Canada

11.1.3 Mexico

11.2 Europe

11.2.1 United Kingdom

11.2.2 Germany

11.2.3 France

11.2.4 Italy

11.2.5 Spain

11.2.6 Netherlands

- 11.2.7 Belgium
- 11.2.8 Sweden
- 11.2.9 Switzerland
- 11.2.10 Poland
- 11.2.11 Rest of Europe
- 11.3 Asia Pacific
 - 11.3.1 China
 - 11.3.2 Japan
 - 11.3.3 India
 - 11.3.4 South Korea
 - 11.3.5 Australia
 - 11.3.6 Indonesia
 - 11.3.7 Thailand
 - 11.3.8 Malaysia
 - 11.3.9 Singapore
 - 11.3.10 Vietnam
 - 11.3.11 Rest of Asia Pacific
- 11.4 South America
 - 11.4.1 Brazil
 - 11.4.2 Argentina
 - 11.4.3 Colombia
 - 11.4.4 Chile
 - 11.4.5 Peru
 - 11.4.6 Rest of South America
- 11.5 Rest of the World (RoW)
 - 11.5.1 Middle East
 - 11.5.1.1 Saudi Arabia
 - 11.5.1.2 United Arab Emirates
 - 11.5.1.3 Qatar
 - 11.5.1.4 Israel
 - 11.5.1.5 Rest of Middle East
 - 11.5.2 Africa
 - 11.5.2.1 South Africa
 - 11.5.2.2 Egypt
 - 11.5.2.3 Morocco
 - 11.5.2.4 Rest of Africa

12 STRATEGIC MARKET INTELLIGENCE

- 12.1 Industry Value Network and Supply Chain Assessment
- 12.2 White-Space and Opportunity Mapping
- 12.3 Product Evolution and Market Life Cycle Analysis
- 12.4 Channel, Distributor, and Go-to-Market Assessment

13 INDUSTRY DEVELOPMENTS AND STRATEGIC INITIATIVES

- 13.1 Mergers and Acquisitions
- 13.2 Partnerships, Alliances, and Joint Ventures
- 13.3 New Product Launches and Certifications
- 13.4 Capacity Expansion and Investments
- 13.5 Other Strategic Initiatives

14 COMPANY PROFILES

- 14.1 Anthology Inc.
- 14.2 Instructure, Inc.
- 14.3 D2L Corporation
- 14.4 Civitas Learning, Inc.
- 14.5 PowerSchool Holdings, Inc.
- 14.6 Oracle Corporation
- 14.7 Microsoft Corporation
- 14.8 IBM Corporation
- 14.9 SAP SE
- 14.10 SAS Institute Inc.
- 14.11 Jenzabar, Inc.
- 14.12 Ellucian
- 14.13 QlikTech International AB
- 14.14 Turnitin LLC
- 14.15 Domoscio

List Of Tables

LIST OF TABLES

Table 1 Global Learning Analytics Market Outlook, By Region (2023-2034) (\$MN)
Table 2 Global Learning Analytics Market Outlook, By Component (2023-2034) (\$MN)
Table 3 Global Learning Analytics Market Outlook, By Software (2023-2034) (\$MN)
Table 4 Global Learning Analytics Market Outlook, By Learning Analytics Platforms (2023-2034) (\$MN)
Table 5 Global Learning Analytics Market Outlook, By Dashboards & Visualization Tools (2023-2034) (\$MN)
Table 6 Global Learning Analytics Market Outlook, By Predictive Analytics Solutions (2023-2034) (\$MN)
Table 7 Global Learning Analytics Market Outlook, By Reporting & Assessment Tools (2023-2034) (\$MN)
Table 8 Global Learning Analytics Market Outlook, By Services (2023-2034) (\$MN)
Table 9 Global Learning Analytics Market Outlook, By Consulting (2023-2034) (\$MN)
Table 10 Global Learning Analytics Market Outlook, By Implementation & Integration (2023-2034) (\$MN)
Table 11 Global Learning Analytics Market Outlook, By Training & Support (2023-2034) (\$MN)
Table 12 Global Learning Analytics Market Outlook, By Managed Services (2023-2034) (\$MN)
Table 13 Global Learning Analytics Market Outlook, By Deployment Mode (2023-2034) (\$MN)
Table 14 Global Learning Analytics Market Outlook, By Cloud-Based (2023-2034) (\$MN)
Table 15 Global Learning Analytics Market Outlook, By Public Cloud (2023-2034) (\$MN)
Table 16 Global Learning Analytics Market Outlook, By Private Cloud (2023-2034) (\$MN)
Table 17 Global Learning Analytics Market Outlook, By Hybrid Cloud (2023-2034) (\$MN)
Table 18 Global Learning Analytics Market Outlook, By On-Premises (2023-2034) (\$MN)
Table 19 Global Learning Analytics Market Outlook, By Analytics Type (2023-2034) (\$MN)
Table 20 Global Learning Analytics Market Outlook, By Descriptive Analytics (2023-2034) (\$MN)
Table 21 Global Learning Analytics Market Outlook, By Diagnostic Analytics

(2023-2034) (\$MN)

Table 22 Global Learning Analytics Market Outlook, By Predictive Analytics (2023-2034) (\$MN)

Table 23 Global Learning Analytics Market Outlook, By Prescriptive Analytics (2023-2034) (\$MN)

Table 24 Global Learning Analytics Market Outlook, By Data Source (2023-2034) (\$MN)

Table 25 Global Learning Analytics Market Outlook, By Learning Management Systems (LMS) (2023-2034) (\$MN)

Table 26 Global Learning Analytics Market Outlook, By Student Information Systems (SIS) (2023-2034) (\$MN)

Table 27 Global Learning Analytics Market Outlook, By Assessment Platforms (2023-2034) (\$MN)

Table 28 Global Learning Analytics Market Outlook, By Massive Open Online Courses (MOOCs) (2023-2034) (\$MN)

Table 29 Global Learning Analytics Market Outlook, By Classroom & Attendance Systems (2023-2034) (\$MN)

Table 30 Global Learning Analytics Market Outlook, By Collaboration & Communication Platforms (2023-2034) (\$MN)

Table 31 Global Learning Analytics Market Outlook, By Digital Content Platforms (2023-2034) (\$MN)

Table 32 Global Learning Analytics Market Outlook, By Application (2023-2034) (\$MN)

Table 33 Global Learning Analytics Market Outlook, By Student Performance Monitoring (2023-2034) (\$MN)

Table 34 Global Learning Analytics Market Outlook, By Curriculum Development (2023-2034) (\$MN)

Table 35 Global Learning Analytics Market Outlook, By Personalized Learning (2023-2034) (\$MN)

Table 36 Global Learning Analytics Market Outlook, By Student Retention & Success (2023-2034) (\$MN)

Table 37 Global Learning Analytics Market Outlook, By Academic Planning (2023-2034) (\$MN)

Table 38 Global Learning Analytics Market Outlook, By Adaptive Learning (2023-2034) (\$MN)

Table 39 Global Learning Analytics Market Outlook, By Assessment & Evaluation (2023-2034) (\$MN)

Table 40 Global Learning Analytics Market Outlook, By Faculty Performance Analytics (2023-2034) (\$MN)

Table 41 Global Learning Analytics Market Outlook, By Administrative Decision Support (2023-2034) (\$MN)

Table 42 Global Learning Analytics Market Outlook, By Learning Management Optimization (2023-2034) (\$MN)

Table 43 Global Learning Analytics Market Outlook, By End User (2023-2034) (\$MN)

Table 44 Global Learning Analytics Market Outlook, By K–12 Education (2023-2034) (\$MN)

Table 45 Global Learning Analytics Market Outlook, By Higher Education (2023-2034) (\$MN)

Table 46 Global Learning Analytics Market Outlook, By Corporate Learning & Training (2023-2034) (\$MN)

Table 47 Global Learning Analytics Market Outlook, By Government & Public Sector (2023-2034) (\$MN)

Table 48 Global Learning Analytics Market Outlook, By Vocational & Technical Education (2023-2034) (\$MN)

Table 49 Global Learning Analytics Market Outlook, By Online Learning Providers (2023-2034) (\$MN)

Table 50 Global Learning Analytics Market Outlook, By Educational Research Organizations (2023-2034) (\$MN)

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

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