

Explainable AI Market by Offering (Solutions & Services), Software Type (Standalone Software, Integrated Software, Automated Reporting Tools, Interactive Model Visualization), Methods, Vertical and Region - Global Forecast to 2028

<https://marketpublishers.com/r/E646053F062AEN.html>

Date: November 2023

Pages: 286

Price: US\$ 4,950.00 (Single User License)

ID: E646053F062AEN

Abstracts

The explainable AI market size is to grow from USD 6.2 billion in 2023 to USD 16.2 billion by 2028, at a Compound Annual Growth Rate (CAGR) of 20.9% during the forecast period. Bias in AI models, which can result in discriminatory outcomes, is a pressing issue. XAI techniques help identify and mitigate bias in AI models.

By offering, the Services segment has the highest CAGR during the forecast period.

By offering, the explainable AI market has been segmented into solutions and services. The CAGR of services is estimated to be the largest during the forecast period.

Explainable AI market plays a pivotal role in assisting organizations to effectively implement and maximize the benefits of Explainable AI technologies. These services encompass a range of offerings aimed at supporting the deployment, integration, customization, and ongoing management of Explainable AI solutions. These services are tailored to meet the specific needs and requirements of individual organizations, considering factors such as the size of the organization, the complexity of its IT infrastructure, and the nature of its industry.

By services, Data Engineering Services has the highest CAGR during the forecast period.

Explainable AI services market includes consulting services, deployment and integration services, training and education services, post-implementation support, data science

advisory services, AI/ML research, AI/ML enabled service, and data engineering services. Data engineering is a crucial component in the development of AI and Explainable AI solutions. Companies in the Explainable AI market often offer data engineering services to help organizations structure, clean, and preprocess their data for AI model training. These services involve data integration, data quality assessment, and creating pipelines for continuous data flow. The objective is to provide AI models with high-quality and relevant data, which is essential for achieving accurate and interpretable results.

By vertical, the BFSI segment has the largest market size during the forecast period.

BFSI industry represents a crucial sector within the Explainable AI market. In this highly regulated and data-intensive industry, Explainable AI plays a pivotal role in enhancing transparency and trustworthiness in decision-making processes. By making AI-driven insights more understandable and interpretable, BFSI companies can mitigate risks, improve customer service, and ensure compliance with stringent regulatory requirements. For example, many financial institutions have integrated Explainable AI into their credit scoring and loan approval processes.

Among regions, Asia Pacific registered the highest CAGR during the forecast period.

By region, the Asia Pacific region has witnessed rapid advancements in technology, such as the proliferation of mobile devices, widespread internet connectivity, and the adoption of cloud computing. These advancements have created a strong foundation for explainable AI initiatives. Governments in the Asia Pacific region are actively promoting explainable AI to drive economic growth and enhance competitiveness.

Breakdown of primaries

In-depth interviews were conducted with Chief Executive Officers (CEOs), innovation and technology directors, system integrators, and executives from various key organizations operating in the explainable AI market.

By Company: Tier I: 35%, Tier II: 45%, and Tier III: 20%

By Designation: C-Level Executives: 35%, D-Level Executives: 25%, and Managers: 40%

By Region: North America: 40%, Europe: 20%, APAC: 30%, MEA: 5%, Latin

America: 5%

The report includes the study of key players offering explainable AI solutions and services. The major vendors in the global explainable AI market include Microsoft (US), IBM (US), Google (US), Salesforce (US), Intel Corporation(US), NVIDIA(US), SAS Institute(US), Alteryx(US), AWS(US), Equifax(US), FICO(US), Temenos(Switzerland), Mphasis(India), C3.AI(US), H2O.ai(US), Fiddler(US), Zest AI(US), Seldon(London), Squirro(Switzerland), Kyndi(US), DataRobot(US), Databricks(US), Tredence(US), DarwinAI(Canada), Tensor AI solutions(Germany),. EXPAI(Spain), Abzu(Denmark), Arthur(US), and Intellico(Italy).

Research Coverage

The market study covers the explainable AI market across segments. It aims to estimate the market size and the growth potential of this market across different segments, such as offering, software type, methods, vertical, and region. It includes an in-depth competitive analysis of the key players in the market, along with their company profiles, key observations related to product and business offerings, recent developments, and key market strategies.

Key Benefits of Buying the Report

The report would provide the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall market for explainable AI and its subsegments. It would help stakeholders understand the competitive landscape and gain more insights better to position their business and plan suitable go-to-market strategies. It also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (Industry 4.0 driving demand for explainable AI, adoption of deep learning and neural networks, rise in technological advancement and innovation), restraints (Shortage of skilled XAI professionals, Data security concerns), opportunities (Enhanced decision support, ethical ai and fairness, improved user adoption and collaboration), and challenges (Complexity of AI models, Concerns related to bias and inaccurately generated output) influencing

the growth of the explainable AI market.

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the explainable AI market.

Market Development: Comprehensive information about lucrative markets – the report analyses the explainable AI market across varied regions

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in explainable AI market strategies; the report also helps stakeholders understand the pulse of the explainable AI market and provides them with information on key market drivers, restraints, challenges, and opportunities

Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players such as Microsoft (US), IBM (US), Google (US), Intel Corporation (US) and Salesforce (US) among others in the explainable AI market.

Contents

1 INTRODUCTION

- 1.1 STUDY OBJECTIVES
- 1.2 MARKET DEFINITION
- 1.3 STUDY SCOPE
 - 1.3.1 MARKET SEGMENTATION
 - 1.3.2 INCLUSIONS & EXCLUSIONS
 - 1.3.3 REGIONS COVERED
- 1.4 YEARS CONSIDERED
- 1.5 CURRENCY CONSIDERED
- TABLE 1 USD EXCHANGE RATES, 2020–2022
- 1.6 STAKEHOLDERS

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
 - FIGURE 1 RESEARCH DESIGN
 - 2.1.1 SECONDARY DATA
 - 2.1.2 PRIMARY DATA
 - TABLE 2 LIST OF PRIMARY INTERVIEWS
 - 2.1.2.1 Breakup of primary profiles
 - 2.1.2.2 Key industry insights
- 2.2 MARKET FORECAST
 - TABLE 3 FACTOR ANALYSIS
- 2.3 MARKET BREAKUP & DATA TRIANGULATION
- 2.4 MARKET SIZE ESTIMATION
 - FIGURE 2 TOP-DOWN AND BOTTOM-UP APPROACHES
 - 2.4.1 TOP-DOWN APPROACH
 - 2.4.2 BOTTOM-UP APPROACH
 - FIGURE 3 APPROACH 1 (SUPPLY SIDE): REVENUE OF SOLUTIONS/SERVICES OF EXPLAINABLE AI VENDORS
 - FIGURE 4 APPROACH 2, BOTTOM-UP (SUPPLY-SIDE): COLLECTIVE REVENUE FROM ALL SOLUTIONS/SERVICES OF EXPLAINABLE AI VENDORS
 - FIGURE 5 APPROACH 3, BOTTOM-UP (SUPPLY-SIDE): COLLECTIVE REVENUE FROM ALL SOLUTIONS/SERVICES OF EXPLAINABLE AI VENDORS
 - FIGURE 6 APPROACH 4, BOTTOM-UP (DEMAND-SIDE): SHARE OF EXPLAINABLE AI SOLUTIONS AND SERVICES THROUGH OVERALL SPENDING

2.5 RESEARCH ASSUMPTIONS

2.6 LIMITATIONS AND RISK ASSESSMENT

2.7 IMPLICATIONS OF RECESSION ON EXPLAINABLE AI MARKET

3 EXECUTIVE SUMMARY

TABLE 4 EXPLAINABLE AI MARKET SIZE AND GROWTH RATE, 2018–2022 (USD MILLION, Y-O-Y GROWTH)

TABLE 5 EXPLAINABLE AI MARKET SIZE AND GROWTH RATE, 2023–2030 (USD BILLION, Y-O-Y GROWTH)

FIGURE 7 SOLUTIONS TO FORM LARGER EXPLAINABLE AI MARKET IN 2023

FIGURE 8 DEPLOYMENT & INTEGRATION SERVICES TO LEAD MARKET FOR EXPLAINABLE AI SERVICES IN 2023

FIGURE 9 STANDALONE SOFTWARE TO DOMINATE EXPLAINABLE AI MARKET IN 2023

FIGURE 10 ON-PREMISE DEPLOYMENT TO LEAD OVER CLOUD EXPLAINABLE AI MARKET IN 2023

FIGURE 11 BFSI VERTICAL TO ACCOUNT FOR LARGEST EXPLAINABLE AI MARKET IN 2023

FIGURE 12 NORTH AMERICA TO ACCOUNT FOR LARGEST SHARE IN 2023

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES FOR EXPLAINABLE AI MARKET PLAYERS

FIGURE 13 RISING INVESTMENTS IN EXPLAINABLE AI RESEARCH & DEVELOPMENT TO DRIVE MARKET GROWTH

4.2 OVERVIEW OF RECESSION IN GLOBAL EXPLAINABLE AI MARKET

FIGURE 14 EXPLAINABLE AI MARKET TO WITNESS MINOR DECLINE IN Y-O-Y GROWTH IN 2023

4.3 EXPLAINABLE AI MARKET, BY VERTICAL

FIGURE 15 BFSI TO ACCOUNT FOR LARGEST EXPLAINABLE AI MARKET DURING FORECAST PERIOD

4.4 EXPLAINABLE AI MARKET, BY KEY OFFERING AND VERTICAL

FIGURE 16 STANDALONE SOFTWARE AND BFSI TO LEAD RESPECTIVE SEGMENTS IN EXPLAINABLE AI MARKET IN 2023

4.5 EXPLAINABLE AI MARKET, BY REGION

FIGURE 17 NORTH AMERICA TO DOMINATE EXPLAINABLE AI MARKET IN 2023

5 MARKET OVERVIEW AND INDUSTRY TRENDS

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 18 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES: EXPLAINABLE AI MARKET

5.2.1 DRIVERS

- 5.2.1.1 Industry 4.0 driving demand for explainable AI
- 5.2.1.2 Adoption of deep learning and neural networks
- 5.2.1.3 Rise in technological advancements and innovations

5.2.2 RESTRAINTS

- 5.2.2.1 Shortage of skilled XAI professionals
- 5.2.2.2 Data security concerns

5.2.3 OPPORTUNITIES

- 5.2.3.1 Enhanced decision support
- 5.2.3.2 Ethical AI and fairness
- 5.2.3.3 Improved user adoption and collaboration

5.2.4 CHALLENGES

- 5.2.4.1 Complexity of AI models
- 5.2.4.2 Concerns related to bias and inaccurately generated output

5.3 EXPLAINABLE AI: EVOLUTION

FIGURE 19 EVOLUTION OF EXPLAINABLE AI

5.4 EXPLAINABLE AI: ECOSYSTEM

FIGURE 20 EXPLAINABLE AI MARKET: ECOSYSTEM

TABLE 6 EXPLAINABLE AI MARKET: ECOSYSTEM

5.5 CASE STUDY ANALYSIS

5.5.1 CASE STUDY 1: DARWINAI DELIVERED EXPLAINABLE AI USING OPENVINO TOOLKIT

5.5.2 CASE STUDY 2: H2O.AI AND WELLS FARGO HELPED TO MANAGE MACHINE LEARNING MODEL

5.5.3 CASE STUDY 3: CONJURA REDUCED TIME TO DETECT AND RESOLVE MODEL DRIFT FROM DAYS TO HOURS WITH FIDDLER

5.5.4 CASE STUDY 4: FICO HELPED NORTH AMERICAN BANK TO IMPROVE CREDIT RISK DECISIONS

5.5.5 CASE STUDY 5: HOW.FM REDUCED TIME TO DETECT MODEL ISSUES FROM DAYS TO MINUTES

5.6 TECHNOLOGY ANALYSIS

5.6.1 KEY TECHNOLOGIES

- 5.6.1.1 Machine Learning
- 5.6.1.2 NLP

5.6.1.3 Computer Vision

5.6.1.4 Big Data Analytics

5.6.2 ADJACENT TECHNOLOGIES

5.6.2.1 IoT

5.6.2.2 AutoML

5.6.2.3 Blockchain

5.6.2.4 Conversational AI

5.6.2.5 Knowledge Graph

5.7 SUPPLY/VALUE CHAIN ANALYSIS

FIGURE 21 SUPPLY/VALUE CHAIN ANALYSIS

5.8 PORTER'S FIVE FORCES ANALYSIS

FIGURE 22 EXPLAINABLE AI MARKET: PORTER'S FIVE FORCES ANALYSIS

TABLE 7 EXPLAINABLE AI MARKET: PORTER'S FIVE FORCES ANALYSIS

5.8.1 THREAT OF NEW ENTRANTS

5.8.2 THREAT OF SUBSTITUTES

5.8.3 BARGAINING POWER OF SUPPLIERS

5.8.4 BARGAINING POWER OF BUYERS

5.8.5 INTENSITY OF COMPETITIVE RIVALRY

5.9 PRICING MODEL ANALYSIS

5.9.1 SELLING PRICES OF KEY PLAYERS, BY OFFERING

FIGURE 23 SELLING PRICES OF KEY PLAYERS, BY OFFERING

TABLE 8 SELLING PRICES OF KEY PLAYERS, BY OFFERING (USD)

5.10 PATENT ANALYSIS

5.10.1 METHODOLOGY

5.10.2 DOCUMENT TYPE

TABLE 9 PATENTS FILED, 2013–2023

5.10.3 INNOVATION AND PATENT APPLICATIONS

FIGURE 24 TOTAL NUMBER OF PATENTS GRANTED ANNUALLY, 2013–2023

5.10.3.1 Top applicants

FIGURE 25 TOP TEN COMPANIES WITH HIGHEST NUMBER OF PATENT APPLICATIONS, 2013–2023

TABLE 10 TOP 20 PATENT OWNERS IN EXPLAINABLE AI MARKET, 2013–2023

TABLE 11 LIST OF MAJOR PATENTS IN EXPLAINABLE AI MARKET, 2021–2023

5.11 KEY CONFERENCES & EVENTS IN 2023–2024

TABLE 12 EXPLAINABLE AI MARKET: LIST OF CONFERENCES & EVENTS

5.12 TARIFF AND REGULATORY LANDSCAPE

5.12.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 13 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT

AGENCIES, AND OTHER ORGANIZATIONS

TABLE 14 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 15 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 16 MIDDLE EAST & AFRICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 17 LATIN AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.13 TRENDS/DISRUPTIONS IMPACTING BUYERS/CLIENTS IN EXPLAINABLE AI MARKET

FIGURE 26 EXPLAINABLE AI MARKET: TRENDS/DISRUPTIONS IMPACTING BUYERS/CLIENTS

5.14 KEY STAKEHOLDERS AND BUYING CRITERIA

5.14.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 27 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE VERTICALS

TABLE 18 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE VERTICALS (%)

5.14.2 BUYING CRITERIA

FIGURE 28 KEY BUYING CRITERIA FOR TOP THREE VERTICALS

TABLE 19 KEY BUYING CRITERIA FOR TOP THREE VERTICALS

5.15 BEST PRACTICES IN EXPLAINABLE AI MARKET

5.15.1 UNDERSTAND NEED FOR EXPLANATION

5.15.2 INTERPRETABLE MODELS

5.15.3 ETHICAL CONSIDERATIONS

5.15.4 USER-CENTRIC DESIGN

5.15.5 TRANSPARENCY AND DOCUMENTATION

5.16 TECHNOLOGY ROADMAP OF EXPLAINABLE AI MARKET

FIGURE 29 TECHNOLOGY ROADMAP OF EXPLAINABLE AI MARKET, 2023–2030

TABLE 20 TECHNOLOGY ROADMAP OF EXPLAINABLE AI MARKET, 2023–2030

5.17 PILLARS/PRINCIPLES OF EXPLAINABLE AI

5.17.1 INFORM SUBJECT OF ALGORITHM

5.17.2 BUILD SOCIETAL TRUST IN AI SYSTEMS

5.17.3 SATISFY COMPLIANCE OR REGULATORY REQUIREMENTS

5.17.4 ASSIST WITH FURTHER SYSTEM DEVELOPMENT

5.17.5 BENEFIT ALGORITHM'S OWNER

6 EXPLAINABLE AI MARKET, BY OFFERING

6.1 INTRODUCTION

6.1.1 OFFERING: EXPLAINABLE AI MARKET DRIVERS

FIGURE 30 EXPLAINABLE AI SERVICES TO REGISTER HIGHER CAGR DURING FORECAST PERIOD

TABLE 21 EXPLAINABLE AI MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 22 EXPLAINABLE AI MARKET, BY OFFERING, 2023–2028 (USD MILLION)

6.2 SOLUTIONS, BY TYPE

FIGURE 31 SOFTWARE TOOLKITS & FRAMEWORKS TO GROW AT HIGHER CAGR DURING FORECAST PERIOD

TABLE 23 EXPLAINABLE AI SOLUTIONS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 24 EXPLAINABLE AI SOLUTIONS MARKET, BY TYPE, 2023–2028 (USD MILLION)

6.2.1 SOFTWARE PLATFORMS

6.2.1.1 Explainable AI software platforms to allow users to continuously monitor behavior of AI models in real time

TABLE 25 SOFTWARE PLATFORMS: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 26 SOFTWARE PLATFORMS: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

6.2.2 SOFTWARE TOOLKITS & FRAMEWORKS

6.2.2.1 Software toolkits & frameworks for explainable AI to be more developer-centric

TABLE 27 SOFTWARE TOOLKITS & FRAMEWORKS: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 28 SOFTWARE TOOLKITS & FRAMEWORKS: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

6.3 SOLUTIONS, BY DEPLOYMENT MODE

FIGURE 32 CLOUD TO GROW AT HIGHER CAGR DURING FORECAST PERIOD

TABLE 29 EXPLAINABLE AI SOLUTIONS MARKET, BY DEPLOYMENT MODE, 2018–2022 (USD MILLION)

TABLE 30 EXPLAINABLE AI SOLUTIONS MARKET, BY DEPLOYMENT MODE, 2023–2028 (USD MILLION)

6.3.1 CLOUD

6.3.1.1 Cloud-based explainable AI solutions to enable to process large datasets and complex models efficiently

TABLE 31 CLOUD: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 32 CLOUD: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

6.3.2 ON-PREMISES

6.3.2.1 On-premises explainable AI solutions to be customizable and configurable to align with organization's unique infrastructure and security policies

TABLE 33 ON-PREMISES: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 34 ON-PREMISES: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

6.4 SERVICES

FIGURE 33 DATA ENGINEERING TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

TABLE 35 EXPLAINABLE AI MARKET, BY SERVICE, 2018–2022 (USD MILLION)

TABLE 36 EXPLAINABLE AI MARKET, BY SERVICE, 2023–2028 (USD MILLION)

6.4.1 CONSULTING

6.4.1.1 Consulting firms to guide businesses in making informed decisions about explainable AI adoption

TABLE 37 CONSULTING: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 38 CONSULTING: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

6.4.2 DEPLOYMENT & INTEGRATION

6.4.2.1 Deployment & integration services to be crucial for implementing explainable AI solutions seamlessly

TABLE 39 DEPLOYMENT & INTEGRATION: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 40 DEPLOYMENT & INTEGRATION: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

6.4.3 TRAINING & EDUCATION

6.4.3.1 By providing ongoing education, explainable AI vendors to contribute to transparent and responsible AI ecosystem

TABLE 41 TRAINING & EDUCATION: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 42 TRAINING & EDUCATION: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

6.4.4 POST-IMPLEMENTATION SUPPORT

6.4.4.1 Post-implementation support to involve monitoring and maintaining models to prevent model drift and data biases

TABLE 43 POST-IMPLEMENTATION SUPPORT: EXPLAINABLE AI MARKET, BY

REGION, 2018–2022 (USD MILLION)

TABLE 44 POST-IMPLEMENTATION SUPPORT: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

6.4.5 DATA SCIENCE ADVISORY

6.4.5.1 Data science advisory services in explainable AI domain to involve various aspects of AI and machine learning

TABLE 45 DATA SCIENCE ADVISORY: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 46 DATA SCIENCE ADVISORY: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

6.4.6 AI/ML RESEARCH

6.4.6.1 Companies to frequently engage in AI and ML research to stay at forefront of technological advancements

TABLE 47 AI/ML RESEARCH: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 48 AI/ML RESEARCH: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

6.4.7 AI/ML-ENABLED SERVICES

6.4.7.1 AI/ML-enabled services to emphasize on transparency and interpretability

TABLE 49 AI/ML-ENABLED SERVICES: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 50 AI/ML-ENABLED SERVICES: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

6.4.8 DATA ENGINEERING

6.4.8.1 Effective data engineering to lay foundation for successful AI and explainable AI implementations

TABLE 51 DATA ENGINEERING: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 52 DATA ENGINEERING: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

7 EXPLAINABLE AI MARKET, BY SOFTWARE TYPE

7.1 INTRODUCTION

7.1.1 SOFTWARE TYPE: EXPLAINABLE AI MARKET DRIVERS

FIGURE 34 STANDALONE SOFTWARE TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

TABLE 53 EXPLAINABLE AI MARKET, BY SOFTWARE TYPE, 2018–2022 (USD MILLION)

TABLE 54 EXPLAINABLE AI MARKET, BY SOFTWARE TYPE, 2023–2028 (USD MILLION)

7.2 STANDALONE SOFTWARE

7.2.1 STANDALONE SOFTWARE TO TYPICALLY FOCUS ON POST HOC INTERPRETABILITY

TABLE 55 STANDALONE SOFTWARE: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 56 STANDALONE SOFTWARE: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

7.3 INTEGRATED SOFTWARE

7.3.1 INTEGRATED EXPLAINABLE AI SOFTWARE TO WORK SEAMLESSLY WITHIN LARGER AI AND MACHINE LEARNING PLATFORMS OR WORKFLOWS

TABLE 57 INTEGRATED SOFTWARE: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 58 INTEGRATED SOFTWARE: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

7.4 AUTOMATED REPORTING TOOLS

7.4.1 AUTOMATED REPORTING TOOLS TO BE INVALUABLE FOR ORGANIZATIONS THAT NEED TO SHARE AI INSIGHTS WITH REGULATORY BODIES

TABLE 59 AUTOMATED REPORTING TOOLS: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 60 AUTOMATED REPORTING TOOLS: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

7.5 INTERACTIVE MODEL VISUALIZATION

7.5.1 INTERACTIVE MODEL VISUALIZATION SOFTWARE TO ALLOW USERS TO VISUALIZE MODEL INPUTS, OUTPUTS, AND INTERMEDIATE LAYERS IN REAL TIME

TABLE 61 INTERACTIVE MODEL VISUALIZATION: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 62 INTERACTIVE MODEL VISUALIZATION: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

8 EXPLAINABLE AI MARKET, BY METHOD

8.1 INTRODUCTION

8.1.1 METHOD: EXPLAINABLE AI MARKET DRIVERS

FIGURE 35 MODEL-AGNOSTIC METHODS TO WITNESS HIGHER GROWTH RATE DURING FORECAST PERIOD

TABLE 63 EXPLAINABLE AI MARKET, BY METHOD, 2018–2022 (USD MILLION)

TABLE 64 EXPLAINABLE AI MARKET, BY METHOD, 2023–2028 (USD MILLION)

8.2 MODEL-AGNOSTIC METHODS

8.2.1 COMPANIES TO UTILIZE MODEL-AGNOSTIC METHODS TO MAKE AI MODELS MORE INTERPRETABLE AND BUILD TRUST WITH USERS AND STAKEHOLDERS

TABLE 65 MODEL-AGNOSTIC METHODS: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 66 MODEL-AGNOSTIC METHODS: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

8.3 MODEL-SPECIFIC METHODS

8.3.1 COMPANIES TO USE THESE TECHNIQUES WHEN THEY HAVE IN-DEPTH KNOWLEDGE OF MODEL AND CAN MODIFY IT FOR ENHANCED INTERPRETABILITY

TABLE 67 MODEL-SPECIFIC METHODS: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 68 MODEL-SPECIFIC METHODS: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

9 EXPLAINABLE AI MARKET, BY VERTICAL

9.1 INTRODUCTION

9.1.1 VERTICAL: EXPLAINABLE AI MARKET DRIVERS

FIGURE 36 HEALTHCARE & LIFE SCIENCES TO WITNESS HIGHEST GROWTH RATE DURING FORECAST PERIOD

TABLE 69 EXPLAINABLE AI MARKET, BY VERTICAL, 2018–2022 (USD MILLION)

TABLE 70 EXPLAINABLE AI MARKET, BY VERTICAL, 2023–2028 (USD MILLION)

9.2 BFSI

TABLE 71 BFSI: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 72 BFSI: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

9.2.1 CREDIT SCORING AND LOAN APPROVALS

9.2.1.1 Explainable AI to play vital role in providing clear understanding of factors influencing customers' creditworthiness

9.2.2 FRAUD DETECTION AND PREVENTION

9.2.2.1 Explainable AI models to provide insights into features and patterns that contributed to transactions being labeled as suspicious

9.2.3 RISK ASSESSMENT IN INVESTMENTS

9.2.3.1 Explainable AI crucial for enabling investors and asset managers to make informed decisions

9.2.4 CUSTOMER SERVICE AND QUERIES

9.2.4.1 Explainable AI to assist in improving the overall customer experience and satisfaction

9.2.5 BIAS DETECTION AND MITIGATION

9.2.5.1 Explainable AI to help BFSI organizations mitigate reputational risks associated with biased or unfair practices

9.2.6 OTHERS

9.3 RETAIL & ECOMMERCE

TABLE 73 RETAIL & ECOMMERCE: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 74 RETAIL & ECOMMERCE: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

9.3.1 CUSTOMER BEHAVIOR ANALYSIS

9.3.1.1 Explainable AI to play crucial role in retail business by providing interpretable insights on customer behavior

9.3.2 DYNAMIC PRICING STRATEGIES

9.3.2.1 Explainable AI algorithms to help customers understand rationale behind price changes

9.3.3 SUPPLY CHAIN OPTIMIZATION

9.3.3.1 Explainable AI to optimize supply chains by providing transparency into decision-making processes

9.3.4 PRODUCT RECOMMENDATIONS

9.3.4.1 Explainable AI to help by providing clear and understandable justifications for product recommendations made to customers

9.3.5 OTHERS

9.4 GOVERNMENT & PUBLIC SECTOR

TABLE 75 GOVERNMENT & PUBLIC SECTOR: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 76 GOVERNMENT & PUBLIC SECTOR: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

9.4.1 POLICY DECISION SUPPORT

9.4.1.1 Explainable AI to be able to identify potential biases in policy recommendations, ensuring fairness and equitability

9.4.2 TRAFFIC AND URBAN PLANNING

9.4.2.1 Explainable AI to assist in predictive modeling for future urban development by highlighting environmental and societal impact of various scenarios

9.4.3 ECOSYSTEM MONITORING

9.4.3.1 Explainable AI to help identify factors influencing species population dynamics, supporting more effective conservation strategies

9.4.4 PREDICTIVE POLICING

9.4.4.1 Explainable AI to enhance predictive policing models

9.4.5 OTHERS

9.5 HEALTHCARE & LIFE SCIENCES

TABLE 77 HEALTHCARE & LIFE SCIENCES: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 78 HEALTHCARE & LIFE SCIENCES: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

9.5.1 MEDICAL DIAGNOSTICS AND IMAGING

9.5.1.1 Explainable AI to reduce errors, improve clinical confidence, and ultimately enhance patient care

9.5.2 DRUG DISCOVERY AND DEVELOPMENT

9.5.2.1 Explainable AI to optimize process of identifying potential drug candidates

9.5.3 PERSONALIZED MEDICINE

9.5.3.1 Explainable AI to enhance patient and clinician trust in personalized treatment plans

9.5.4 CLINICAL TRIAL ELIGIBILITY

9.5.4.1 Explainable AI to demystify black-box nature of machine learning models

9.5.5 MODEL TRANSPARENCY AND DEBUGGING

9.5.5.1 By enhancing model transparency and facilitating debugging, explainable AI to bolster confidence of healthcare practitioners

9.5.6 OTHERS

9.6 MANUFACTURING

TABLE 79 MANUFACTURING: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 80 MANUFACTURING: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

9.6.1 PRODUCTION LINE OPTIMIZATION

9.6.1.1 Explainable AI to identify patterns leading to machine breakdowns or suboptimal performance

9.6.2 RESOURCE ALLOCATION

9.6.2.1 Explainable AI to explain why energy usage fluctuates and how it is influenced by production volume and machine settings

9.6.3 CUSTOM PRODUCT DESIGN

9.6.3.1 Explainable AI to facilitate better collaboration between manufacturers and their clients

9.6.4 SUPPLIER SELECTION

9.6.4.1 Explainable AI to assist in risk assessment and highlight potential red flags in supplier's track record

9.6.5 OTHERS

9.7 ENERGY & UTILITIES

TABLE 81 ENERGY & UTILITIES: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 82 ENERGY & UTILITIES: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

9.7.1 GRID MANAGEMENT

9.7.1.1 Explainable AI to help investigate root causes, which is crucial for post-incident analysis and continuous improvement in grid management

9.7.2 RENEWABLE ENERGY FORECASTING

9.7.2.1 Explainable AI to enhance trustworthiness of forecasts by providing clear insights into features and data points

9.7.3 ENERGY CONSUMPTION ANALYSIS

9.7.3.1 Explainable AI to assist by providing transparency in energy consumption analysis

9.7.4 ASSET MAINTENANCE OPTIMIZATION

9.7.4.1 AI to help build trust among stakeholders and make it easier to justify maintenance decisions to regulators and public

9.7.5 OTHERS

9.8 TELECOMMUNICATIONS

TABLE 83 TELECOMMUNICATIONS: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 84 TELECOMMUNICATIONS: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

9.8.1 NETWORK MANAGEMENT

9.8.1.1 Explainable AI to help telecom operators better understand and optimize their network performance

9.8.2 SERVICE PLAN RECOMMENDATIONS

9.8.2.1 Explainable AI to enhance personalization and customer experience

9.8.3 CHURN PREDICTION AND RETENTION

9.8.3.1 Explainable AI to help craft personalized retention strategies

9.8.4 QUALITY OF SERVICE (QOS) OPTIMIZATION

9.8.4.1 Explainable AI to provide transparency and insights into decision-making processes behind QoS optimization

9.8.5 OTHERS

9.9 MEDIA & ENTERTAINMENT

TABLE 85 MEDIA & ENTERTAINMENT: EXPLAINABLE AI MARKET, BY REGION,

2018–2022 (USD MILLION)

TABLE 86 MEDIA & ENTERTAINMENT: EXPLAINABLE AI MARKET, BY REGION,
2023–2028 (USD MILLION)

9.9.1 CONTENT RECOMMENDATIONS

9.9.1.1 Explainable AI to provide transparent recommendations to users in media & entertainment space

9.9.2 COPYRIGHT INFRINGEMENT DETECTION

9.9.2.1 Explainable AI to help educate content creators and users about copyright laws and best practices

9.9.3 VIRTUAL REALITY AND GAMING

9.9.3.1 Explainable AI to offer players insights into how their in-game decisions affect outcomes and provide them with guidance on strategies or tactics

9.9.4 AUDIENCE INSIGHTS

9.9.4.1 Explainable AI to help derive meaningful insights from large datasets, shedding light on viewer preferences and behavior

9.9.5 OTHERS

9.10 IT & ITES

TABLE 87 IT & ITES: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 88 IT & ITES: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

9.10.1 CODE REVIEW AND DEBUGGING

9.10.1.1 Explainable AI to improve code quality and accelerate debugging process by pinpointing root causes of issues

9.10.2 SERVICE LEVEL AGREEMENTS (SLA) MANAGEMENT

9.10.2.1 Explainable AI to analyze service performance, offering explanations for any deviations from SLAs

9.10.3 DATA SECURITY AND PRIVACY

9.10.3.1 Explainable AI to help monitor, detect, and explain potential security breaches or anomalies within data systems

9.10.4 USER EXPERIENCE (UX) ENHANCEMENT

9.10.4.1 Explainable AI to analyze user interactions and preferences, providing interpretable insights

9.10.5 OTHERS

9.11 OTHER VERTICALS

TABLE 89 OTHER VERTICALS: EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 90 OTHER VERTICALS: EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

10 EXPLAINABLE AI MARKET, BY REGION

10.1 INTRODUCTION

FIGURE 37 AUSTRALIA & NEW ZEALAND TO ACHIEVE HIGHEST GROWTH DURING FORECAST PERIOD

FIGURE 38 ASIA PACIFIC TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

TABLE 91 EXPLAINABLE AI MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 92 EXPLAINABLE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

10.2 NORTH AMERICA

10.2.1 NORTH AMERICA: EXPLAINABLE AI MARKET DRIVERS

10.2.2 NORTH AMERICA: RECESSION IMPACT

FIGURE 39 NORTH AMERICA: MARKET SNAPSHOT

TABLE 93 NORTH AMERICA: EXPLAINABLE AI MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 94 NORTH AMERICA: EXPLAINABLE AI MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 95 NORTH AMERICA: EXPLAINABLE AI MARKET, BY SERVICE, 2018–2022 (USD MILLION)

TABLE 96 NORTH AMERICA: EXPLAINABLE AI MARKET, BY SERVICE, 2023–2028 (USD MILLION)

TABLE 97 NORTH AMERICA: EXPLAINABLE AI MARKET, BY SOLUTION, 2018–2022 (USD MILLION)

TABLE 98 NORTH AMERICA: EXPLAINABLE AI MARKET, BY SOLUTION, 2023–2028 (USD MILLION)

TABLE 99 NORTH AMERICA: EXPLAINABLE AI MARKET, BY SOFTWARE TYPE, 2018–2022 (USD MILLION)

TABLE 100 NORTH AMERICA: EXPLAINABLE AI MARKET, BY SOFTWARE TYPE, 2023–2028 (USD MILLION)

TABLE 101 NORTH AMERICA: EXPLAINABLE AI SOLUTIONS MARKET, BY DEPLOYMENT MODE, 2018–2022 (USD MILLION)

TABLE 102 NORTH AMERICA: EXPLAINABLE AI SOLUTIONS MARKET, BY DEPLOYMENT MODE, 2023–2028 (USD MILLION)

TABLE 103 NORTH AMERICA: EXPLAINABLE AI MARKET, BY METHOD, 2018–2022 (USD MILLION)

TABLE 104 NORTH AMERICA: EXPLAINABLE AI MARKET, BY METHOD, 2023–2028 (USD MILLION)

TABLE 105 NORTH AMERICA: EXPLAINABLE AI MARKET, BY VERTICAL,

2018–2022 (USD MILLION)

TABLE 106 NORTH AMERICA: EXPLAINABLE AI MARKET, BY VERTICAL,
2023–2028 (USD MILLION)

TABLE 107 NORTH AMERICA: EXPLAINABLE AI MARKET, BY COUNTRY,
2018–2022 (USD MILLION)

TABLE 108 NORTH AMERICA: EXPLAINABLE AI MARKET, BY COUNTRY,
2023–2028 (USD MILLION)

10.2.3 US

10.2.3.1 Initiatives by tech companies, research institutions, and venture capital firms toward AI technologies to drive market

TABLE 109 US: EXPLAINABLE AI MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 110 US: EXPLAINABLE AI MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 111 US: EXPLAINABLE AI SOLUTIONS MARKET, BY DEPLOYMENT MODE,
2018–2022 (USD MILLION)

TABLE 112 US: EXPLAINABLE AI SOLUTIONS MARKET, BY DEPLOYMENT MODE,
2023–2028 (USD MILLION)

TABLE 113 US: EXPLAINABLE AI MARKET, BY METHOD, 2018–2022 (USD MILLION)

TABLE 114 US: EXPLAINABLE AI MARKET, BY METHOD, 2023–2028 (USD MILLION)

10.2.4 CANADA

10.2.4.1 Regulatory frameworks and guidelines to encourage Canadian businesses to invest in explainable AI solutions

10.3 EUROPE

10.3.1 EUROPE: EXPLAINABLE AI MARKET DRIVERS

10.3.2 EUROPE: RECESSION IMPACT

TABLE 115 EUROPE: EXPLAINABLE AI MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 116 EUROPE: EXPLAINABLE AI MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 117 EUROPE: EXPLAINABLE AI MARKET, BY SERVICE, 2018–2022 (USD MILLION)

TABLE 118 EUROPE: EXPLAINABLE AI MARKET, BY SERVICE, 2023–2028 (USD MILLION)

TABLE 119 EUROPE: EXPLAINABLE AI MARKET, BY SOLUTION, 2018–2022 (USD MILLION)

TABLE 120 EUROPE: EXPLAINABLE AI MARKET, BY SOLUTION, 2023–2028 (USD

MILLION)

TABLE 121 EUROPE: EXPLAINABLE AI MARKET, BY SOFTWARE TYPE, 2018–2022 (USD MILLION)

TABLE 122 EUROPE: EXPLAINABLE AI MARKET, BY SOFTWARE TYPE, 2023–2028 (USD MILLION)

TABLE 123 EUROPE: EXPLAINABLE AI SOLUTIONS MARKET, BY DEPLOYMENT MODE, 2018–2022 (USD MILLION)

TABLE 124 EUROPE: EXPLAINABLE AI SOLUTIONS MARKET, BY DEPLOYMENT MODE, 2023–2028 (USD MILLION)

TABLE 125 EUROPE: EXPLAINABLE AI MARKET, BY METHOD, 2018–2022 (USD MILLION)

TABLE 126 EUROPE: EXPLAINABLE AI MARKET, BY METHOD, 2023–2028 (USD MILLION)

TABLE 127 EUROPE: EXPLAINABLE AI MARKET, BY VERTICAL, 2018–2022 (USD MILLION)

TABLE 128 EUROPE: EXPLAINABLE AI MARKET, BY VERTICAL, 2023–2028 (USD MILLION)

TABLE 129 EUROPE: EXPLAINABLE AI MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 130 EUROPE: EXPLAINABLE AI MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

10.3.3 UK

10.3.3.1 Recognition of transformative potential of XAI and its impact of innovation to boost growth

TABLE 131 UK: EXPLAINABLE AI MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 132 UK: EXPLAINABLE AI MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 133 UK: EXPLAINABLE AI SOLUTIONS MARKET, BY DEPLOYMENT MODE, 2018–2022 (USD MILLION)

TABLE 134 UK: EXPLAINABLE AI SOLUTIONS MARKET, BY DEPLOYMENT MODE, 2023–2028 (USD MILLION)

TABLE 135 UK: EXPLAINABLE AI MARKET, BY METHOD, 2018–2022 (USD MILLION)

TABLE 136 UK: EXPLAINABLE AI MARKET, BY METHOD, 2023–2028 (USD MILLION)

10.3.4 GERMANY

10.3.4.1 Heavy investments by government to accelerate development and adoption of XAI technologies to fuel growth

10.3.5 FRANCE

10.3.5.1 Collaboration between global and local players to accelerate XAI adoption of innovation in coming years

10.3.6 ITALY

10.3.6.1 Commitment to fostering digital skills and research capabilities to encourage adoption of explainable AI solutions in startup ecosystem

10.3.7 SPAIN

10.3.7.1 Government initiatives to promote AI-driven innovation to spur market growth

10.3.8 REST OF EUROPE

10.4 ASIA PACIFIC

10.4.1 ASIA PACIFIC: EXPLAINABLE AI MARKET DRIVERS

10.4.2 ASIA PACIFIC: IMPACT OF RECESSION

FIGURE 40 ASIA PACIFIC: MARKET SNAPSHOT

TABLE 137 ASIA PACIFIC: EXPLAINABLE AI MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 138 ASIA PACIFIC: EXPLAINABLE AI MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 139 ASIA PACIFIC: EXPLAINABLE AI MARKET, BY SERVICE, 2018–2022 (USD MILLION)

TABLE 140 ASIA PACIFIC: EXPLAINABLE AI MARKET, BY SERVICE, 2023–2028 (USD MILLION)

TABLE 141 ASIA PACIFIC: EXPLAINABLE AI MARKET, BY SOLUTION, 2018–2022 (USD MILLION)

TABLE 142 ASIA PACIFIC: EXPLAINABLE AI MARKET, BY SOLUTION, 2023–2028 (USD MILLION)

TABLE 143 ASIA PACIFIC: EXPLAINABLE AI MARKET, BY SOFTWARE TYPE, 2018–2022 (USD MILLION)

TABLE 144 ASIA PACIFIC: EXPLAINABLE AI MARKET, BY SOFTWARE TYPE, 2023–2028 (USD MILLION)

TABLE 145 ASIA PACIFIC: EXPLAINABLE AI SOLUTIONS MARKET, BY DEPLOYMENT MODE, 2018–2022 (USD MILLION)

TABLE 146 ASIA PACIFIC: EXPLAINABLE AI SOLUTIONS MARKET, BY DEPLOYMENT MODE, 2023–2028 (USD MILLION)

TABLE 147 ASIA PACIFIC: EXPLAINABLE AI MARKET, BY METHOD, 2018–2022 (USD MILLION)

TABLE 148 ASIA PACIFIC: EXPLAINABLE AI MARKET, BY METHOD, 2023–2028 (USD MILLION)

TABLE 149 ASIA PACIFIC: EXPLAINABLE AI MARKET, BY VERTICAL, 2018–2022

(USD MILLION)

TABLE 150 ASIA PACIFIC: EXPLAINABLE AI MARKET, BY VERTICAL, 2023–2028

(USD MILLION)

TABLE 151 ASIA PACIFIC: EXPLAINABLE AI MARKET, BY COUNTRY, 2018–2022

(USD MILLION)

TABLE 152 ASIA PACIFIC: EXPLAINABLE AI MARKET, BY COUNTRY, 2023–2028

(USD MILLION)

10.4.3 CHINA

10.4.3.1 Focus of government on bolstering research & development efforts to drive market

TABLE 153 CHINA: EXPLAINABLE AI MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 154 CHINA: EXPLAINABLE AI MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 155 CHINA: EXPLAINABLE AI SOLUTIONS MARKET, BY DEPLOYMENT MODE, 2018–2022 (USD MILLION)

TABLE 156 CHINA: EXPLAINABLE AI SOLUTIONS MARKET, BY DEPLOYMENT MODE, 2023–2028 (USD MILLION)

TABLE 157 CHINA: EXPLAINABLE AI MARKET, BY METHOD, 2018–2022 (USD MILLION)

TABLE 158 CHINA: EXPLAINABLE AI MARKET, BY METHOD, 2023–2028 (USD MILLION)

10.4.4 JAPAN

10.4.4.1 Rise in global prominence of generative AI to drive development and integration of explainable AI into local players' business operations

10.4.5 SOUTH KOREA

10.4.5.1 Influence of AI technology across healthcare, finance, and defense sectors to spur growth

10.4.6 INDIA

10.4.6.1 Rapid surge in development and adoption of XAI technologies to drive growth

10.4.7 AUSTRALIA & NEW ZEALAND

10.4.7.1 AI leveraged for customer service automation, predictive analytics, fraud detection, and supply chain optimization to propel market

10.4.8 REST OF ASIA PACIFIC

10.5 MIDDLE EAST & AFRICA

10.5.1 MIDDLE EAST & AFRICA: EXPLAINABLE AI MARKET DRIVERS

10.5.2 MIDDLE EAST & AFRICA: RECESSION IMPACT

TABLE 159 MIDDLE EAST & AFRICA: EXPLAINABLE AI MARKET, BY OFFERING,

2018–2022 (USD MILLION)

TABLE 160 MIDDLE EAST & AFRICA: EXPLAINABLE AI MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 161 MIDDLE EAST & AFRICA: EXPLAINABLE AI MARKET, BY SERVICE, 2018–2022 (USD MILLION)

TABLE 162 MIDDLE EAST & AFRICA: EXPLAINABLE AI MARKET, BY SERVICE, 2023–2028 (USD MILLION)

TABLE 163 MIDDLE EAST & AFRICA: EXPLAINABLE AI MARKET, BY SOLUTION, 2018–2022 (USD MILLION)

TABLE 164 MIDDLE EAST & AFRICA: EXPLAINABLE AI MARKET, BY SOLUTION, 2023–2028 (USD MILLION)

TABLE 165 MIDDLE EAST & AFRICA: EXPLAINABLE AI MARKET, BY SOFTWARE TYPE, 2018–2022 (USD MILLION)

TABLE 166 MIDDLE EAST & AFRICA: EXPLAINABLE AI MARKET, BY SOFTWARE TYPE, 2023–2028 (USD MILLION)

TABLE 167 MIDDLE EAST & AFRICA: EXPLAINABLE AI SOLUTIONS MARKET, BY DEPLOYMENT MODE, 2018–2022 (USD MILLION)

TABLE 168 MIDDLE EAST & AFRICA: EXPLAINABLE AI SOLUTIONS MARKET, BY DEPLOYMENT MODE, 2023–2028 (USD MILLION)

TABLE 169 MIDDLE EAST & AFRICA: EXPLAINABLE AI MARKET, BY METHOD, 2018–2022 (USD MILLION)

TABLE 170 MIDDLE EAST & AFRICA: EXPLAINABLE AI MARKET, BY METHOD, 2023–2028 (USD MILLION)

TABLE 171 MIDDLE EAST & AFRICA: EXPLAINABLE AI MARKET, BY VERTICAL, 2018–2022 (USD MILLION)

TABLE 172 MIDDLE EAST & AFRICA: EXPLAINABLE AI MARKET, BY VERTICAL, 2023–2028 (USD MILLION)

TABLE 173 MIDDLE EAST & AFRICA: EXPLAINABLE AI MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 174 MIDDLE EAST & AFRICA: EXPLAINABLE AI MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

10.5.3 ISRAEL

10.5.3.1 Growth in research and application of artificial intelligence across various verticals to boost market

10.5.4 SAUDI ARABIA

10.5.4.1 Greater emphasis on artificial intelligence development across key industry verticals

10.5.5 UAE

10.5.5.1 Implementation of proactive strategies and establishing regulatory

frameworks to spur growth

10.5.6 EGYPT

10.5.6.1 Adoption and utilization of XAI technologies to drive transformative changes across sectors

10.5.7 SOUTH AFRICA

10.5.7.1 Rapid advancements in field of XAI to encourage market expansion

10.5.8 REST OF MIDDLE EAST & AFRICA

10.6 LATIN AMERICA

10.6.1 LATIN AMERICA: EXPLAINABLE AI MARKET DRIVERS

10.6.2 LATIN AMERICA: RECESSION IMPACT

TABLE 175 LATIN AMERICA: EXPLAINABLE AI MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 176 LATIN AMERICA: EXPLAINABLE AI MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 177 LATIN AMERICA: EXPLAINABLE AI MARKET, BY SERVICE, 2018–2022 (USD MILLION)

TABLE 178 LATIN AMERICA: EXPLAINABLE AI MARKET, BY SERVICE, 2023–2028 (USD MILLION)

TABLE 179 LATIN AMERICA: EXPLAINABLE AI MARKET, BY SOLUTION, 2018–2022 (USD MILLION)

TABLE 180 LATIN AMERICA: EXPLAINABLE AI MARKET, BY SOLUTION, 2023–2028 (USD MILLION)

TABLE 181 LATIN AMERICA: EXPLAINABLE AI MARKET, BY SOFTWARE TYPE, 2018–2022 (USD MILLION)

TABLE 182 LATIN AMERICA: EXPLAINABLE AI MARKET, BY SOFTWARE TYPE, 2023–2028 (USD MILLION)

TABLE 183 LATIN AMERICA: EXPLAINABLE AI SOLUTIONS MARKET, BY DEPLOYMENT MODE, 2018–2022 (USD MILLION)

TABLE 184 LATIN AMERICA: EXPLAINABLE AI SOLUTIONS MARKET, BY DEPLOYMENT MODE, 2023–2028 (USD MILLION)

TABLE 185 LATIN AMERICA: EXPLAINABLE AI MARKET, BY METHOD, 2018–2022 (USD MILLION)

TABLE 186 LATIN AMERICA: EXPLAINABLE AI MARKET, BY METHODS, 2023–2028 (USD MILLION)

TABLE 187 LATIN AMERICA: EXPLAINABLE AI MARKET, BY VERTICAL, 2018–2022 (USD MILLION)

TABLE 188 LATIN AMERICA: EXPLAINABLE AI MARKET, BY VERTICAL, 2023–2028 (USD MILLION)

TABLE 189 LATIN AMERICA: EXPLAINABLE AI MARKET, BY COUNTRY, 2018–2022

(USD MILLION)

TABLE 190 LATIN AMERICA: EXPLAINABLE AI MARKET, BY COUNTRY, 2023–2028

(USD MILLION)

10.6.3 BRAZIL

10.6.3.1 Rapid shift in technological landscape toward adoption of AI technologies to spur growth

10.6.4 MEXICO

10.6.4.1 Endeavor to become digitally advanced country, using proximity to US, to drive technology adoption

10.6.5 ARGENTINA

10.6.5.1 Need for adoption of artificial intelligence to enhance processes and improve decision-making to propel market growth

10.6.6 REST OF LATIN AMERICA

11 COMPETITIVE LANDSCAPE

11.1 OVERVIEW

11.2 STRATEGIES ADOPTED BY KEY PLAYERS

TABLE 191 OVERVIEW OF STRATEGIES ADOPTED BY KEY PLAYERS IN EXPLAINABLE AI MARKET

11.3 HISTORICAL REVENUE ANALYSIS OF KEY PLAYERS

FIGURE 41 HISTORICAL REVENUE ANALYSIS OF TOP PLAYERS, 2020–2022 (USD MILLION)

11.4 MARKET SHARE ANALYSIS

FIGURE 42 EXPLAINABLE AI MARKET SHARE ANALYSIS, 2022

TABLE 192 EXPLAINABLE AI MARKET: DEGREE OF COMPETITION

11.5 EXPLAINABLE AI BRAND/PRODUCT COMPARATIVE LANDSCAPE

11.5.1 EXPLAINABLE AI TRENDING PRODUCTS/BRAND COMPARISON

11.6 COMPANY EVALUATION QUADRANT

11.6.1 STARS

11.6.2 EMERGING LEADERS

11.6.3 PERVASIVE PLAYERS

11.6.4 PARTICIPANTS

FIGURE 43 COMPANY EVALUATION MATRIX, 2022

11.6.5 COMPANY FOOTPRINT

TABLE 193 KEY COMPANY PRODUCT FOOTPRINT

11.7 STARTUP/SME EVALUATION QUADRANT

11.7.1 PROGRESSIVE COMPANIES

11.7.2 RESPONSIVE COMPANIES

11.7.3 DYNAMIC COMPANIES

11.7.4 STARTING BLOCKS

11.7.5 COMPETITIVE BENCHMARKING

TABLE 194 EXPLAINABLE AI MARKET: DETAILED LIST OF KEY STARTUPS/SMES

TABLE 195 EXPLAINABLE AI MARKET: COMPETITIVE BENCHMARKING OF STARTUPS/SMES

FIGURE 44 STARTUP/SME EVALUATION MATRIX, 2022

11.8 COMPETITIVE SCENARIO

11.8.1 PRODUCT LAUNCHES

TABLE 196 PRODUCT LAUNCHES, 2019–2023

11.8.2 DEALS

TABLE 197 DEALS, 2020-2023

11.9 VALUATION AND FINANCIAL METRICS OF KEY EXPLAINABLE AI VENDORS

FIGURE 45 VALUATION AND FINANCIAL METRICS OF KEY VENDORS

11.10 YEAR-TO-DATE (YTD) PRICE TOTAL RETURN AND STOCK BETA OF KEY EXPLAINABLE AI VENDORS

FIGURE 46 YEAR-TO-DATE (YTD) PRICE TOTAL RETURN AND STOCK BETA OF KEY VENDORS

12 COMPANY PROFILES

12.1 INTRODUCTION

12.2 KEY PLAYERS

(Business Overview, Products/Solutions/Services offered, Recent Developments, MnM View)*

12.2.1 MICROSOFT

TABLE 198 MICROSOFT: BUSINESS OVERVIEW

FIGURE 47 MICROSOFT: COMPANY SNAPSHOT

TABLE 199 MICROSOFT: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 200 MICROSOFT: SERVICES OFFERED

TABLE 201 MICROSOFT: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 202 MICROSOFT: DEALS

12.2.2 IBM

TABLE 203 IBM: BUSINESS OVERVIEW

FIGURE 48 IBM: COMPANY SNAPSHOT

TABLE 204 IBM: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 205 IBM: SERVICES OFFERED

TABLE 206 IBM: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 207 IBM: DEALS

12.2.3 GOOGLE

TABLE 208 GOOGLE: BUSINESS OVERVIEW

FIGURE 49 GOOGLE: COMPANY SNAPSHOT

TABLE 209 GOOGLE: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 210 GOOGLE: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 211 GOOGLE: DEALS

12.2.4 INTEL

TABLE 212 INTEL: BUSINESS OVERVIEW

FIGURE 50 INTEL: COMPANY SNAPSHOT

TABLE 213 INTEL: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 214 INTEL: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 215 INTEL: DEALS

12.2.5 SALESFORCE

TABLE 216 SALESFORCE: BUSINESS OVERVIEW

FIGURE 51 SALESFORCE: COMPANY SNAPSHOT

TABLE 217 SALESFORCE: PRODUCTS/SOLUTIONS OFFERED

TABLE 218 SALESFORCE: SERVICES OFFERED

TABLE 219 SALESFORCE: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 220 SALESFORCE: DEALS

12.2.6 NVIDIA

TABLE 221 NVIDIA: BUSINESS OVERVIEW

FIGURE 52 NVIDIA: COMPANY SNAPSHOT

TABLE 222 NVIDIA: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 223 NVIDIA: DEALS

12.2.7 SAS INSTITUTE

TABLE 224 SAS INSTITUTE: BUSINESS OVERVIEW

TABLE 225 SAS INSTITUTE: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 226 SAS INSTITUTE: DEALS

12.2.8 ALTERYX

TABLE 227 ALTERYX: BUSINESS OVERVIEW

FIGURE 53 ALTERYX: COMPANY SNAPSHOT

TABLE 228 ALTERYX: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 229 ALTERYX: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 230 ALTERYX: DEALS

12.2.9 AWS

TABLE 231 AWS: BUSINESS OVERVIEW

FIGURE 54 AWS: COMPANY SNAPSHOT

TABLE 232 AWS: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 233 AWS: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 234 AWS: DEALS

12.2.10 EQUIFAX

TABLE 235 EQUIFAX: BUSINESS OVERVIEW

FIGURE 55 EQUIFAX: COMPANY SNAPSHOT

TABLE 236 EQUIFAX: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 237 EQUIFAX: DEALS

12.2.11 FICO

TABLE 238 FICO: BUSINESS OVERVIEW

FIGURE 56 FICO: COMPANY SNAPSHOT

TABLE 239 FICO: PRODUCTS/SOLUTIONS/SERVICES OFFERED

12.2.12 TEMENOS

TABLE 240 TEMENOS: BUSINESS OVERVIEW

FIGURE 57 TEMENOS: COMPANY SNAPSHOT

TABLE 241 TEMENOS: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 242 TEMENOS: DEALS

12.2.13 MPHASIS

TABLE 243 MPHASIS: BUSINESS OVERVIEW

FIGURE 58 MPHASIS: COMPANY SNAPSHOT

TABLE 244 MPHASIS: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 245 MPHASIS: DEALS

12.3 SMES AND STARTUPS

12.3.1 C3 AI

12.3.2 H20.AI

12.3.3 FIDDLER LABS

12.3.4 ZEST AI

12.3.5 SELDON

12.3.6 SQUIRRO

12.3.7 KYNDI

12.3.8 DATAROBOT

12.3.9 DATABRICKS

12.3.10 TREDENCE

12.3.11 DARWINAI

12.3.12 TENSOR AI SOLUTIONS

12.3.13 EXPAI

12.3.14 ABZU

12.3.15 ARTHUR

12.3.16 INTELLICO

*Details on Business Overview, Products/Solutions/Services offered, Recent Developments, MnM View might not be captured in case of unlisted companies.

13 ADJACENT AND RELATED MARKETS

13.1 ADJACENT AND RELATED MARKETS

13.1.1 INTRODUCTION

13.1.2 GENERATIVE AI MARKET—GLOBAL FORECAST TO 2028

13.1.2.1 Market definition

13.1.2.2 Market overview

TABLE 246 GLOBAL GENERATIVE AI MARKET SIZE AND GROWTH RATE, 2019–2022 (USD MILLION, Y-O-Y)

TABLE 247 GLOBAL GENERATIVE AI MARKET SIZE AND GROWTH RATE, 2023–2028 (USD MILLION, Y-O-Y)

13.1.2.3 Generative AI market, by offering

TABLE 248 GENERATIVE AI MARKET, BY OFFERING, 2019–2022 (USD MILLION)

TABLE 249 GENERATIVE AI MARKET, BY OFFERING, 2023–2028 (USD MILLION)

13.1.2.4 Generative AI market, by application

TABLE 250 GENERATIVE AI MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 251 GENERATIVE AI MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

13.1.2.5 Generative AI market, by vertical

TABLE 252 GENERATIVE AI MARKET, BY VERTICAL, 2019–2022 (USD MILLION)

TABLE 253 GENERATIVE AI MARKET, BY VERTICAL, 2023–2028 (USD MILLION)

13.1.2.6 Generative AI market, by region

TABLE 254 GENERATIVE AI MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 255 GENERATIVE AI MARKET, BY REGION, 2023–2028 (USD MILLION)

13.1.3 CONVERSATIONAL AI MARKET—GLOBAL FORECAST TO 2028

13.1.3.1 Market definition

13.1.3.2 Market overview

13.1.3.3 Conversational AI market, by offering

TABLE 256 CONVERSATIONAL AI MARKET BY OFFERING, 2018–2022 (USD MILLION)

TABLE 257 CONVERSATIONAL AI MARKET BY OFFERING, 2023–2028 (USD MILLION)

13.1.3.4 Conversational AI market, by business function

TABLE 258 CONVERSATIONAL AI MARKET, BY BUSINESS FUNCTION, 2018–2022 (USD MILLION)

TABLE 259 CONVERSATIONAL AI MARKET, BY BUSINESS FUNCTION, 2023–2028 (USD MILLION)

13.1.3.5 Conversational AI market, by channel

TABLE 260 CONVERSATIONAL AI MARKET, BY CHANNEL, 2018–2022 (USD MILLION)

TABLE 261 CONVERSATIONAL AI MARKET, BY CHANNEL, 2023–2028 (USD MILLION)

13.1.3.6 Conversational AI market, by conversational interface

TABLE 262 CONVERSATIONAL AI MARKET, BY CONVERSATIONAL INTERFACE, 2018–2022 (USD MILLION)

TABLE 263 CONVERSATIONAL AI MARKET, BY CONVERSATIONAL INTERFACE, 2023–2028 (USD MILLION)

13.1.3.7 Conversational AI market, by technology

TABLE 264 CONVERSATIONAL AI MARKET BY TECHNOLOGY, 2018–2022 (USD MILLION)

TABLE 265 CONVERSATIONAL AI MARKET, TECHNOLOGY, 2023–2028 (USD MILLION)

13.1.3.8 Conversational AI market, by vertical

TABLE 266 CONVERSATIONAL AI MARKET, BY VERTICAL, 2018–2022 (USD MILLION)

TABLE 267 CONVERSATIONAL AI MARKET BY VERTICAL, 2023–2028 (USD MILLION)

13.1.3.9 Conversational AI market, by region

TABLE 268 CONVERSATIONAL AI MARKET BY REGION, 2018–2022 (USD MILLION)

TABLE 269 CONVERSATIONAL AI MARKET, BY REGION, 2023–2028 (USD MILLION)

14 APPENDIX

14.1 DISCUSSION GUIDE

14.2 KNOWLEDGESTORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

14.3 CUSTOMIZATION OPTIONS

14.4 RELATED REPORTS

14.5 AUTHOR DETAILS

I would like to order

Product name: Explainable AI Market by Offering (Solutions & Services), Software Type (Standalone Software, Integrated Software, Automated Reporting Tools, Interactive Model Visualization), Methods, Vertical and Region - Global Forecast to 2028

Product link: <https://marketpublishers.com/r/E646053F062AEN.html>

Price: US\$ 4,950.00 (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/E646053F062AEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970