

Data Pipeline Tools Market by Component (Tools and Services), Tool Type (ETL Data Pipeline, ELT Data Pipeline, Streaming Data Pipeline, and Batch Data Pipeline), Application, Deployment Mode, Organization Size, Vertical & Region - Global Forecast to 2027

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Abstracts

The data pipeline tools market is projected to grow from USD 6.9 Billion in 2022 to USD 17.6 Billion by 2027, at a CAGR of 20.3% during the forecast period. A data pipeline is a group of operations, instruments, and methods used to process raw data. Pipelines, which facilitate the transportation of data from its origin to its target for storage and analysis are made up of several interconnected processes connected in series. Data is ingested and then processed via each of these processes, with the result from one step serving as the input for the next. Modern pipelines are constructed using many different concepts and technologies that integrate and converse with one another. To cut down on the time, effort, and expense involved in creating links across the different components in the pipeline, tools with built-in integration is used. The market for data pipeline tools has seen great development because of the integration of these tools with other technologies like big data, IoT, and more.

The ETL Data Pipeline segment to have the highest CAGR during the forecast period

By type, the data pipeline tools had been segmented into ETL Data Pipeline, ELT Data Pipeline, Streaming Data Pipeline, Batch Data Pipeline, and Change Data Capture Pipeline. Among all the ETL Data Pipeline segment to have the highest CAGR during the forecast period. The collection of procedures used to transfer data from one or more sources into a database, such as a data warehouse, is known as an ETL pipeline. The

three interconnected data transformation procedures known as extract, transform, and load (ETL). Data can be loaded and then used for monitoring, research, and the creation of useful business insights. Source data from disparate systems needs to be migrated, aggregated, and adjusted to match with the features and functions of the target database to deliver valuable observations. Businesses can streamline their data analysis by switching to cloud-based software services and enhanced ETL pipelines. Businesses that currently use batch processing can adopt continuous processing techniques without altering their existing workflows. The deployment can begin with specific types of data. ETL pipelines significantly help firms achieve an edge over its competitors by giving decision-makers more authority.

The deployment & integration solution is registered to grow at the highest CAGR during the forecast period

By services, the data pipeline tools had been segmented into Consulting, deployment & implementation, support & maintenance. Integration and deployment services give businesses technical know-how and help them choose the best software architecture in accordance with their operational needs. Therefore, the proper number of connectors and back-end integration skills are needed for system integration and deployment services. These services are becoming increasingly popular among end users all over the world since they make sure that systems interact well with one another to enhance the efficiency of the whole production and supply chain process.

Among applications, Real-time Analytics application is anticipated to register the largest market size during the forecast period

In current day and age, organizations are driven by a need to make data-driven decisions. Streaming data pipeline tools enable handling millions of events at scale and offer capabilities of collecting, analyzing, and storing large volume of information for enterprises. Such tools are essentially critical for applying real time analytics and reporting. These tools can also enable streaming real time application data from legacy mainframe systems for business-critical applications that necessitate reporting and analytics. Streaming data pipelines offer businesses in achieving a competitive advantage and are particularly useful in assuring data accessibility across the enterprise.

North America to account for the largest market size during the forecast period

North America is expected to have the largest market share in the data pipeline tools

market. North America is one of most captivate regions in data pipelining tools market. The US is the largest market for data pipelining tools and solutions in the North American region. The increased simplification to unify large data volumes of huge enterprises around the country over a single cloud platform drives the adoption of data pipelining tools and services in the US. With the help of end-to-end data pipelines, it is easier to keep an eye on the data transformation at every single stage while it travels from the source till the visual analytics that provide actionable insights. This provides added security in the data integration and pipelining process. The companies based in the US are rapidly providing end-to-end data pipelines to identify and respond to potential cyberattacks and minimizing security breaches compared to traditional data integration methods. For instance, Snowflake, a US-based technology company, provides Data Cloud for cybersecurity.

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 data pipeline tools market.

By Company: Tier I: 62%, Tier II: 23%, and Tier III: 15%

By Designation: C-Level Executives: 38%, D-Level Executives: 30%, and Others: 32%

By Region: APAC: 35%, Europe: 15%, North America: 40%, MEA: 5%, Latin America: 5%

The report includes the study of key players offering data pipeline tools and services. It profiles major vendors in the global data pipeline tools market. The major vendors in the global data pipeline tools market include Google (US), IBM (US), AWS (US), Oracle (US), Microsoft (US), SAP SE (Germany), Actian (US), Software AG (Germany), Denodo Technologies (US), Snowflake (US), Tibco (US), Adeptia (US), SnapLogic (US), K2View (US), Precisely (US), TapClicks (US), Talend (US), Riverty.io (US), Alteryx (US), Informatica (US), Qlik (US), Hitachi Vantara (US), Hevodata (US), Gathr (US), Confluent (US), Estuary Flow (US), Blendo (US), Integrate.io (US), and Fivetran (US).

Research Coverage

The market study covers the data pipeline tools market across segments. It aims at estimating the market size and the growth potential of this market across different segments, such as components, deployment mode, organization size, application, type, 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 data pipeline tools market 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.

Contents

1 INTRODUCTION

1.1 OBJECTIVES

1.2 MARKET DEFINITION

1.2.1 INCLUSIONS AND EXCLUSIONS

1.3 MARKET SCOPE

1.3.1 MARKET SEGMENTATION

1.3.2 REGIONS COVERED

1.3.3 YEARS CONSIDERED

1.4 CURRENCY CONSIDERED

TABLE 1 USD EXCHANGE RATES, 2019–2021

1.5 STAKEHOLDERS

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 1 DATA PIPELINE TOOLS: RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.2 PRIMARY DATA

TABLE 2 PRIMARY INTERVIEWS

2.1.2.1 Breakup of primary profiles

2.1.2.2 Key industry insights

2.2 DATA TRIANGULATION

FIGURE 2 DATA TRIANGULATION

2.3 MARKET SIZE ESTIMATION

FIGURE 3 DATA PIPELINE TOOLS: TOP-DOWN AND BOTTOM-UP APPROACHES

2.3.1 TOP-DOWN APPROACH

2.3.2 BOTTOM-UP APPROACH

FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY APPROACH 1 (SUPPLY-SIDE): REVENUE FROM SOLUTIONS/SERVICES OF DATA PIPELINE TOOLS

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY APPROACH 2, BOTTOM-UP (SUPPLY-SIDE): COLLECTIVE REVENUE FROM ALL DATA PIPELINE TOOLS/SERVICES

FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY APPROACH 3, BOTTOM-UP (SUPPLY-SIDE): COLLECTIVE REVENUE FROM ALL SOLUTIONS/SERVICES OF DATA PIPELINE TOOLS

FIGURE 7 MARKET SIZE ESTIMATION METHODOLOGY APPROACH 4, BOTTOM-

UP (DEMAND-SIDE): SHARE OF DATA PIPELINE TOOLS THROUGH OVERALL SPENDING

2.4 MARKET FORECAST

TABLE 3 FACTOR ANALYSIS

2.5 COMPANY EVALUATION MATRIX METHODOLOGY

FIGURE 8 COMPANY EVALUATION MATRIX: CRITERIA WEIGHTAGE

2.6 STARTUP/SME EVALUATION MATRIX METHODOLOGY

FIGURE 9 STARTUP/SME EVALUATION MATRIX: CRITERIA WEIGHTAGE

2.7 ASSUMPTIONS FOR THE STUDY

2.8 LIMITATIONS

3 EXECUTIVE SUMMARY

TABLE 4 DATA PIPELINE TOOLS MARKET SIZE AND GROWTH RATE, 2016–2021
(USD MILLION, Y-O-Y)

TABLE 5 DATA PIPELINE TOOLS MARKET SIZE AND GROWTH RATE, 2022–2027
(USD MILLION, Y-O-Y)

FIGURE 10 TOOLS TO ACCOUNT FOR LARGER MARKET IN 2022

FIGURE 11 CONSULTING SERVICES TO ACCOUNT FOR LARGER MARKET
SHARE IN 2022

FIGURE 12 REAL-TIME ANALYTICS & PREDICTIVE MAINTENANCE APPLICATIONS
TO ACCOUNT FOR LARGEST MARKET IN 2022

FIGURE 13 ON-PREMISE DEPLOYMENT TO ACCOUNT FOR LARGER MARKET IN
2022

FIGURE 14 LARGE ENTERPRISES TO ACCOUNT FOR LARGER MARKET SHARE
IN 2022

FIGURE 15 BANKING, FINANCIAL SERVICES, AND INSURANCE VERTICAL TO BE
LARGEST VERTICAL IN 2022

FIGURE 16 NORTH AMERICA TO ACCOUNT FOR LARGEST MARKET SHARE IN
2022

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE MARKET OPPORTUNITIES FOR DATA PIPELINE TOOLS
MARKET PLAYERS

FIGURE 17 HIGH DEMAND FOR TOOLS TRANSFERRING DATA FROM PREMISES
TO CLOUD TO DRIVE MARKET DURING FORECAST PERIOD

4.2 DATA PIPELINE TOOLS MARKET, BY VERTICAL

FIGURE 18 BANKING, FINANCIAL SERVICES, AND INSURANCE VERTICAL TO BE

LARGEST VERTICAL DURING FORECAST PERIOD

4.3 DATA PIPELINE TOOLS MARKET, BY REGION

FIGURE 19 NORTH AMERICA TO ACCOUNT FOR LARGEST MARKET BY 2027

4.4 DATA PIPELINE TOOLS MARKET: TOP THREE BUSINESS APPLICATIONS AND VERTICALS

FIGURE 20 REAL-TIME ANALYTICS & PREDICTIVE MAINTENANCE AND BFSI TO BE LARGEST RESPECTIVE MARKETS BY 2022

5 MARKET OVERVIEW AND TRENDS

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 21 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES: DATA PIPELINE TOOLS MARKET

5.2.1 DRIVERS

5.2.1.1 Need for agility to meet peaks in demand

5.2.1.2 Emergence of cloud computing technologies

5.2.2 RESTRAINTS

5.2.2.1 Lack of expertise among workforce

5.2.3 OPPORTUNITIES

5.2.3.1 Overcoming the lacunae of traditional data management tools

5.2.3.2 Necessity to reduce data latency

5.2.4 CHALLENGES

5.2.4.1 Updating data pipeline using ETL impacts data quality

5.2.4.2 Duplicate data

5.2.4.3 Data downtime

5.2.4.4 Reluctance to adopt advanced tools and technologies

5.3 DATA PIPELINE TOOLS: EVOLUTION

FIGURE 22 EVOLUTION OF DATA PIPELINE TOOLS

5.4 ECOSYSTEM

TABLE 6 DATA PIPELINE TOOLS MARKET: ECOSYSTEM

5.5 CASE STUDY ANALYSIS

5.5.1 BANKING, FINANCIAL SERVICES, AND INSURANCE

5.5.1.1 Combined 23 disparate ERP systems into a single SAP ERP application

5.5.1.2 Big Data platform implementation on Amazon Web Services for Norway's largest bank

5.5.2 TRANSPORTATION & LOGISTICS

5.5.2.1 Convoy builds a continuous data pipeline with the data cloud

5.5.3 RETAIL & CONSUMER GOODS

5.5.3.1 Leading eCommerce site gained improved data accessibility

5.5.4 HEALTHCARE & LIFE SCIENCES

5.5.4.1 CDPHP modernized infrastructure and improved ability to extract valuable medical data on AWS

5.5.5 MEDIA & ENTERTAINMENT

5.5.5.1 GumGum utilized AWS data pipeline to handle high data volume growth

5.6 SUPPLY CHAIN ANALYSIS

FIGURE 23 SUPPLY CHAIN ANALYSIS

5.7 PORTER'S FIVE FORCES

FIGURE 24 DATA PIPELINE TOOLS MARKET: PORTER'S FIVE FORCES ANALYSIS

TABLE 7 DATA PIPELINE TOOLS MARKET: PORTER'S FIVE FORCES ANALYSIS

5.7.1 THREAT OF NEW ENTRANTS

5.7.2 THREAT OF SUBSTITUTES

5.7.3 BARGAINING POWER OF SUPPLIERS

5.7.4 BARGAINING POWER OF BUYERS

5.7.5 INTENSITY OF COMPETITIVE RIVALRY

5.8 PRICING ANALYSIS

TABLE 8 DATA PIPELINE TOOLS MARKET: PRICING LEVELS

FIGURE 25 AVERAGE SELLING PRICES OF KEY COMPANIES (USD)

5.9 PATENT ANALYSIS

5.9.1 METHODOLOGY

5.9.2 DOCUMENT TYPE

TABLE 9 PATENTS FILED, 2018–2021

5.9.3 INNOVATION AND PATENT APPLICATIONS

FIGURE 26 ANNUAL NUMBER OF PATENTS GRANTED, 2018–2021

5.9.3.1 Top applicants

FIGURE 27 TOP TEN PATENT APPLICANTS, 2018–2021

TABLE 10 US: TOP TEN PATENT OWNERS IN DATA PIPELINE TOOLS MARKET, 2018–2021

5.10 TECHNOLOGY ANALYSIS

5.10.1 ARTIFICIAL INTELLIGENCE

5.10.2 MACHINE LEARNING

5.10.3 IOT

5.10.4 CLOUD COMPUTING

5.10.5 BIG DATA

5.11 KEY CONFERENCES & EVENTS

TABLE 11 DATA PIPELINE TOOLS MARKET: DETAILED LIST OF CONFERENCES & EVENTS, 2022–2023

5.12 TARIFF AND REGULATORY LANDSCAPE

5.12.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 12 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 13 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

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

TABLE 15 MIDDLE EAST & AFRICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 16 LATIN AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.12.2 NORTH AMERICA: REGULATIONS

5.12.2.1 Personal Information Protection and Electronic Documents Act (PIPEDA)

5.12.2.2 Gramm-Leach-Bliley (GLB) Act

5.12.2.3 Health Insurance Portability and Accountability Act (HIPAA) of 1996

5.12.2.4 Federal Information Security Management Act (FISMA)

5.12.2.5 Federal Information Processing Standards (FIPS)

5.12.2.6 California Consumer Privacy Act (CCPA)

5.12.3 EUROPE: TARIFFS AND REGULATIONS

5.12.3.1 GDPR 2016/679

5.12.3.2 General Data Protection Regulation

5.12.3.3 European Committee for Standardization (CEN)

5.12.3.4 European Technical Standards Institute (ETSI)

5.13 KEY STAKEHOLDERS & BUYING CRITERIA

5.13.1 KEY STAKEHOLDERS IN BUYING PROCESS

TABLE 17 INFLUENCE OF STAKEHOLDERS IN BUYING PROCESS FOR TOP THREE APPLICATIONS

5.13.2 BUYING CRITERIA

TABLE 18 KEY BUYING CRITERIA FOR TOP THREE APPLICATIONS

6 DATA PIPELINE TOOLS MARKET, BY COMPONENT

6.1 INTRODUCTION

6.1.1 COMPONENT: DATA PIPELINE TOOLS MARKET DRIVERS

FIGURE 28 SERVICES TO REGISTER HIGHER CAGR DURING FORECAST PERIOD

TABLE 19 DATA PIPELINE TOOLS MARKET, BY COMPONENT, 2016–2021 (USD MILLION)

TABLE 20 DATA PIPELINE TOOLS MARKET, BY COMPONENT, 2022–2027 (USD MILLION)

6.2 TOOLS

6.2.1 GREATER NEED TO ACCESS DATA FROM DATA WAREHOUSE

FIGURE 29 ETL DATA PIPELINE TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

TABLE 21 TOOLS: DATA PIPELINE TOOLS SUBSEGMENT MARKET, BY TYPE, 2016–2021 (USD MILLION)

TABLE 22 TOOLS: DATA PIPELINE TOOLS SUBSEGMENT MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 23 DATA PIPELINE TOOLS SUBSEGMENT MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 24 DATA PIPELINE TOOLS SUBSEGMENT MARKET, BY REGION, 2022–2027 (USD MILLION)

6.3 SERVICES

6.3.1 GROWING PRODUCT ACCEPTANCE TO DRIVE ADOPTION OF DATA PIPELINE TOOLS

FIGURE 30 DEPLOYMENT & INTEGRATION SERVICES TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

TABLE 25 DATA PIPELINE SERVICES MARKET, BY TYPE, 2016–2021 (USD MILLION)

TABLE 26 DATA PIPELINE SERVICES MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 27 DATA PIPELINE SERVICES MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 28 DATA PIPELINE SERVICES MARKET, BY REGION, 2022–2027 (USD MILLION)

6.3.1.1 Consulting

6.3.1.1.1 Scope to enable companies to lower risks and focus on business

TABLE 29 DATA PIPELINE TOOL CONSULTING SERVICES MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 30 DATA PIPELINE TOOL CONSULTING SERVICES MARKET, BY REGION, 2022–2027 (USD MILLION)

6.3.1.2 Support & maintenance

6.3.1.2.1 Increase in demand due to shifting economic situations

TABLE 31 DATA PIPELINE TOOL SUPPORT & MAINTENANCE SERVICES MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 32 DATA PIPELINE TOOL SUPPORT & MAINTENANCE SERVICES MARKET, BY REGION, 2022–2027 (USD MILLION)

6.3.1.3 Deployment & integration

6.3.1.3.1 Need to ensure minimum risks among companies to drive demand

TABLE 33 DATA PIPELINE TOOL DEPLOYMENT & INTEGRATION SERVICES MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 34 DATA PIPELINE TOOL DEPLOYMENT & INTEGRATION SERVICES MARKET, BY REGION, 2022–2027 (USD MILLION)

7 DATA PIPELINE TOOLS MARKET, BY ORGANIZATION SIZE

7.1 INTRODUCTION

7.1.1 ORGANIZATION SIZE: DATA PIPELINE TOOLS MARKET DRIVERS

FIGURE 31 SMALL- & MEDIUM-SIZED ENTERPRISES SEGMENT TO REGISTER A HIGHER CAGR DURING FORECAST PERIOD

TABLE 35 DATA PIPELINE TOOLS MARKET, BY ORGANIZATION SIZE, 2016–2021 (USD MILLION)

TABLE 36 DATA PIPELINE TOOLS MARKET, BY ORGANIZATION SIZE, 2022–2027 (USD MILLION)

7.2 LARGE ENTERPRISES

7.2.1 UNSTRUCTURED DATA: MAJOR CONCERN AMONG LARGE ENTERPRISES

TABLE 37 LARGE ENTERPRISES MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 38 LARGE ENTERPRISES MARKET, BY REGION, 2022–2027 (USD MILLION)

7.3 SMALL- & MEDIUM-SIZED ENTERPRISES

7.3.1 RISE IN NEED TO ACCESS DATA IN REAL-TIME FOR BETTER DECISIONS

TABLE 39 SMALL- & MEDIUM-SIZED ENTERPRISES MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 40 SMALL- & MEDIUM-SIZED ENTERPRISES MARKET, BY REGION, 2022–2027 (USD MILLION)

8 DATA PIPELINE TOOLS MARKET, BY DEPLOYMENT MODE

8.1 INTRODUCTION

8.1.1 DEPLOYMENT MODE: DATA PIPELINE TOOLS MARKET DRIVERS

FIGURE 32 CLOUD DEPLOYMENT TO REGISTER HIGHER CAGR DURING FORECAST PERIOD

TABLE 41 DATA PIPELINE TOOLS MARKET, BY DEPLOYMENT MODE, 2016–2021 (USD MILLION)

TABLE 42 DATA PIPELINE TOOLS MARKET, BY DEPLOYMENT MODE, 2022–2027 (USD MILLION)

8.2 ON-PREMISES

8.2.1 DATA PIPELINE CONNECTS DATABASES TO CENTRALIZED INTERFACE TO EASE BUSINESS

TABLE 43 ON-PREMISE DATA PIPELINE TOOLS MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 44 ON-PREMISE DATA PIPELINE TOOLS MARKET, BY REGION, 2022–2027 (USD MILLION)

8.3 CLOUD

8.3.1 FLEXIBILITY AND SCALABILITY TO BOOST ADOPTION OF CLOUD-BASED DATA PIPELINE TOOLS

TABLE 45 CLOUD-BASED DATA PIPELINE TOOLS MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 46 CLOUD-BASED DATA PIPELINE TOOLS MARKET, BY REGION, 2022–2027 (USD MILLION)

9 DATA PIPELINE TOOLS MARKET, BY TYPE

9.1 INTRODUCTION

9.1.1 TYPE: DATA PIPELINE TOOLS MARKET DRIVERS

FIGURE 33 ETL DATA PIPELINE TO REGISTER HIGHER CAGR DURING FORECAST PERIOD

TABLE 47 DATA PIPELINE TOOLS SUBSEGMENT MARKET, BY TYPE, 2016–2021 (USD MILLION)

TABLE 48 DATA PIPELINE TOOLS SUBSEGMENT MARKET, BY TYPE, 2022–2027 (USD MILLION)

9.2 ELT DATA PIPELINE

9.2.1 USAGE OF CLOUD TO DRIVE SHIFT FROM ETL TO ELT

TABLE 49 ELT DATA PIPELINE TOOLS MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 50 ELT DATA PIPELINE TOOLS MARKET, BY REGION, 2022–2027 (USD MILLION)

9.3 ETL DATA PIPELINE

9.3.1 CENTRALIZING AND STANDARDIZING DATA TO ENABLE EASY ACCESS TO EXPERTS AND DECISION-MAKERS

TABLE 51 ETL DATA PIPELINE TOOLS MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 52 ETL DATA PIPELINE TOOLS MARKET, BY REGION, 2022–2027 (USD MILLION)

9.4 STREAMING DATA PIPELINE

9.4.1 REAL-TIME DATA MORE CRUCIAL IN STREAMING DATA PIPELINE

TABLE 53 STREAMING DATA PIPELINE DATA PIPELINE TOOLS MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 54 STREAMING DATA PIPELINE TOOLS MARKET, BY REGION, 2022–2027 (USD MILLION)

9.5 BATCH DATA PIPELINE

9.5.1 FLEXIBILITY AND SCALABILITY TO BOOST ADOPTION OF CLOUD-BASED DATA PIPELINE TOOLS SOFTWARE

TABLE 55 BATCH DATA PIPELINE TOOLS MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 56 BATCH DATA PIPELINE TOOLS MARKET, BY REGION, 2022–2027 (USD MILLION)

9.6 CHANGE DATA CAPTURE PIPELINE (CDC)

9.6.1 CHANGE DATA CAPTURE ESSENTIAL TO PREVENT LOSS AND DESTRUCTION OF DATA

TABLE 57 CHANGE DATA CAPTURE PIPELINE TOOLS MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 58 CHANGE DATA CAPTURE PIPELINE TOOLS MARKET, BY REGION, 2022–2027 (USD MILLION)

10 DATA PIPELINE TOOLS MARKET, BY APPLICATION

10.1 INTRODUCTION

10.1.1 APPLICATION: DATA PIPELINE TOOLS MARKET DRIVERS

FIGURE 34 CUSTOMER EXPERIENCE MANAGEMENT TO REGISTER HIGHER CAGR DURING FORECAST PERIOD

TABLE 59 DATA PIPELINE TOOLS MARKET, BY APPLICATION, 2016–2021 (USD MILLION)

TABLE 60 DATA PIPELINE TOOLS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

10.2 REAL-TIME ANALYTICS & PREDICTIVE MAINTENANCE

10.2.1 ELIMINATE DATA PIPELINE DOWNTIME AND PROVIDE REAL-TIME DATA ANALYSIS

TABLE 61 REAL-TIME ANALYTICS & PREDICTIVE MAINTENANCE APPLICATIONS MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 62 REAL-TIME ANALYTICS & PREDICTIVE MAINTENANCE APPLICATIONS MARKET, BY REGION, 2022–2027 (USD MILLION)

10.3 SALES & MARKETING DATA

10.3.1 NEED TO REDUCE DATA GATHERING TIME FROM VARIOUS SOURCES AND STORE DATA AT SINGLE LOCATION

TABLE 63 SALES & MARKETING DATA APPLICATIONS MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 64 SALES & MARKETING DATA APPLICATIONS MARKET, BY REGION, 2022–2027 (USD MILLION)

10.4 CUSTOMER 360 & CUSTOMER RELATIONSHIP MANAGEMENT

10.4.1 NEED TO ANALYZE CUSTOMER BEHAVIOR AND REDUCE CUSTOMER CHURN

TABLE 65 CUSTOMER 360 & CUSTOMER RELATIONSHIP MANAGEMENT APPLICATIONS MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 66 CUSTOMER 360 & CUSTOMER RELATIONSHIP MANAGEMENT APPLICATIONS MARKET, BY REGION, 2022–2027 (USD MILLION)

10.5 CUSTOMER EXPERIENCE MANAGEMENT

10.5.1 UNIFIED CUSTOMER VIEWS ACROSS CUSTOMER ECOSYSTEM TO ENHANCE CUSTOMER EXPERIENCE

TABLE 67 CUSTOMER EXPERIENCE MANAGEMENT APPLICATIONS MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 68 CUSTOMER EXPERIENCE MANAGEMENT APPLICATIONS MARKET, BY REGION, 2022–2027 (USD MILLION)

10.6 DATA MIGRATION

10.6.1 DEMAND TO SIMPLIFY DATA MIGRATION PROCESS BY CREATING BATCH AND STREAMING DATA PIPELINE

TABLE 69 DATA MIGRATION APPLICATIONS MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 70 DATA MIGRATION APPLICATIONS MARKET, BY REGION, 2022–2027 (USD MILLION)

10.7 OTHER APPLICATIONS

TABLE 71 OTHER APPLICATIONS MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 72 OTHER APPLICATIONS MARKET, BY REGION, 2022–2027 (USD MILLION)

11 DATA PIPELINE TOOLS MARKET, BY VERTICAL

11.1 INTRODUCTION

11.1.1 VERTICAL: DATA PIPELINE TOOLS MARKET DRIVERS

FIGURE 35 HEALTHCARE & LIFE SCIENCES VERTICAL TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

TABLE 73 DATA PIPELINE TOOLS MARKET, BY VERTICAL, 2016–2021 (USD MILLION)

TABLE 74 DATA PIPELINE TOOLS MARKET, BY VERTICAL, 2022–2027 (USD MILLION)

11.2 BANKING, FINANCIAL SERVICES, AND INSURANCE

11.2.1 NEED TO ENHANCE QUALITY OF SERVICES AND MAKE REAL-TIME SMART DECISIONS TO DRIVE GROWTH

TABLE 75 BFSI VERTICAL MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 76 BFSI VERTICALS MARKET, BY REGION, 2022–2027 (USD MILLION)

11.3 RETAIL & ECOMMERCE

11.3.1 CONTINUOUS DATA PIPELINE FLOW TO HELP ANALYZE CONSUMER BEHAVIOR IN REAL-TIME

TABLE 77 RETAIL & ECOMMERCE VERTICAL MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 78 RETAIL & ECOMMERCE VERTICAL MARKET, BY REGION, 2022–2027 (USD MILLION)

11.4 GOVERNMENT & DEFENSE

11.4.1 EFFECTIVE TRANSFORMATION OF DATA WITHOUT LOSING PACKETS TO HELP IN FASTER DECISION-MAKING

TABLE 79 GOVERNMENT & DEFENSE VERTICAL MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 80 GOVERNMENT & DEFENSE VERTICAL MARKET, BY REGION, 2022–2027 (USD MILLION)

11.5 HEALTHCARE & LIFE SCIENCES

11.5.1 PRESSURE FROM INSURERS AND IMPACT OF PHYSICIANS TO DRIVE ADOPTION OF ROBUST DATA PIPELINES

TABLE 81 HEALTHCARE & LIFE SCIENCES VERTICAL MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 82 HEALTHCARE & LIFE SCIENCES VERTICAL MARKET, BY REGION, 2022–2027 (USD MILLION)

11.6 IT & ITES

11.6.1 RISING COMPLEXITY AND FAST INNOVATION TO DRIVE NEED FOR STREAMLINED DATA PIPELINES

TABLE 83 IT & ITES VERTICAL MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 84 IT & ITES VERTICAL MARKET, BY REGION, 2022–2027 (USD MILLION)

11.7 ENERGY & UTILITIES

11.7.1 ADVANCED DATA PIPELINE TOOLS TO HELP BUILD ACCOUNTABLE, TRANSPARENT, FAIR, AND SECURE SYSTEMS

TABLE 85 ENERGY & UTILITIES VERTICAL MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 86 ENERGY & UTILITIES VERTICAL MARKET, BY REGION, 2022–2027 (USD MILLION)

MILLION)

11.8 TELECOMMUNICATION

11.8.1 DEPLOYMENT OF DATA PIPELINE TOOLS TO REDUCE NETWORK ANOMALIES BY MAINTAINING CONTINUOUS DATA FLOW

TABLE 87 TELECOMMUNICATION VERTICAL MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 88 TELECOMMUNICATION VERTICAL MARKET, BY REGION, 2022–2027 (USD MILLION)

11.9 MANUFACTURING

11.9.1 RISE IN USE OF ROBUST DATA PIPELINE TOOLS TO PREDICT MACHINE DOWNTIME AND MAINTENANCE

TABLE 89 MANUFACTURING VERTICAL MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 90 MANUFACTURING VERTICAL MARKET, BY REGION, 2022–2027 (USD MILLION)

11.10 TRANSPORTATION & LOGISTICS

11.10.1 GROWING NEED FOR SEAMLESS INTEGRATED DATA PIPELINE ACROSS MULTI-MODEL TRANSPORTATION NETWORK

TABLE 91 TRANSPORTATION & LOGISTICS VERTICAL MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 92 TRANSPORTATION & LOGISTICS VERTICAL MARKET, BY REGION, 2022–2027 (USD MILLION)

11.11 OTHER VERTICALS

TABLE 93 OTHER VERTICALS MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 94 OTHER VERTICALS MARKET, BY REGION, 2022–2027 (USD MILLION)

12 DATA PIPELINE TOOLS MARKET, BY REGION

12.1 INTRODUCTION

FIGURE 36 THAILAND TO ACCOUNT FOR HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 37 ASIA PACIFIC TO ACCOUNT FOR HIGHEST CAGR DURING FORECAST PERIOD

TABLE 95 DATA PIPELINE MARKET TOOLS MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 96 DATA PIPELINE MARKET TOOLS MARKET, BY REGION, 2022–2027 (USD MILLION)

12.2 NORTH AMERICA

12.2.1 NORTH AMERICA: DATA PIPELINE TOOLS MARKET DRIVERS

FIGURE 38 NORTH AMERICA: MARKET SNAPSHOT

TABLE 97 NORTH AMERICA: DATA PIPELINE TOOLS MARKET, BY COMPONENT, 2016–2021 (USD MILLION)

TABLE 98 NORTH AMERICA: DATA PIPELINE TOOLS MARKET, BY COMPONENT, 2022–2027 (USD MILLION)

TABLE 99 NORTH AMERICA: DATA PIPELINE SERVICES MARKET, BY TYPE, 2016–2021 (USD MILLION)

TABLE 100 NORTH AMERICA: DATA PIPELINE SERVICES MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 101 NORTH AMERICA: DATA PIPELINE TOOLS MARKET, BY DEPLOYMENT MODE, 2016–2021 (USD MILLION)

TABLE 102 NORTH AMERICA: DATA PIPELINE TOOLS MARKET, BY DEPLOYMENT MODE, 2022–2027 (USD MILLION)

TABLE 103 NORTH AMERICA: DATA PIPELINE TOOLS MARKET, BY ORGANIZATION SIZE, 2016–2021 (USD MILLION)

TABLE 104 NORTH AMERICA: DATA PIPELINE TOOLS MARKET, BY ORGANIZATION SIZE, 2022–2027 (USD MILLION)

TABLE 105 NORTH AMERICA: DATA PIPELINE TOOLS SUBSEGMENT MARKET, BY TYPE, 2016–2021 (USD MILLION)

TABLE 106 NORTH AMERICA: DATA PIPELINE TOOLS SUBSEGMENT MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 107 NORTH AMERICA: DATA PIPELINE TOOLS MARKET, BY APPLICATION, 2016–2021 (USD MILLION)

TABLE 108 NORTH AMERICA: DATA PIPELINE TOOLS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 109 NORTH AMERICA: DATA PIPELINE TOOLS MARKET, BY VERTICAL, 2016–2021 (USD MILLION)

TABLE 110 NORTH AMERICA: DATA PIPELINE TOOLS MARKET, BY VERTICAL, 2022–2027 (USD MILLION)

TABLE 111 NORTH AMERICA: DATA PIPELINE TOOLS MARKET, BY COUNTRY, 2016–2021 (USD MILLION)

TABLE 112 NORTH AMERICA: DATA PIPELINE TOOLS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

12.2.2 US

12.2.2.1 Presence of several global players to increase demand for data pipelines

12.2.3 CANADA

12.2.3.1 Rapid adoption of flexible and intuitive data pipeline tools and services

12.3 EUROPE**12.3.1 EUROPE: DATA PIPELINE TOOLS MARKET DRIVERS**

TABLE 113 EUROPE: DATA PIPELINE TOOLS MARKET, BY COMPONENT, 2016–2021 (USD MILLION)

TABLE 114 EUROPE: DATA PIPELINE TOOLS MARKET, BY COMPONENT, 2022–2027 (USD MILLION)

TABLE 115 EUROPE: DATA PIPELINE SERVICES MARKET, BY TYPE, 2016–2021 (USD MILLION)

TABLE 116 EUROPE: DATA PIPELINE SERVICES MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 117 EUROPE: DATA PIPELINE TOOLS MARKET, BY DEPLOYMENT MODE, 2016–2021 (USD MILLION)

TABLE 118 EUROPE: DATA PIPELINE TOOLS MARKET, BY DEPLOYMENT MODE, 2022–2027 (USD MILLION)

TABLE 119 EUROPE: DATA PIPELINE TOOLS MARKET, BY ORGANIZATION SIZE, 2016–2021 (USD MILLION)

TABLE 120 EUROPE: DATA PIPELINE TOOLS MARKET, BY ORGANIZATION SIZE, 2022–2027 (USD MILLION)

TABLE 121 EUROPE: DATA PIPELINE TOOLS SUBSEGMENT MARKET, BY TYPE, 2016–2021 (USD MILLION)

TABLE 122 EUROPE: DATA PIPELINE TOOLS SUBSEGMENT MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 123 EUROPE: DATA PIPELINE TOOLS MARKET, BY APPLICATION, 2016–2021 (USD MILLION)

TABLE 124 EUROPE: DATA PIPELINE TOOLS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 125 EUROPE: DATA PIPELINE TOOLS MARKET, BY VERTICAL, 2016–2021 (USD MILLION)

TABLE 126 EUROPE: DATA PIPELINE TOOLS MARKET, BY VERTICAL, 2022–2027 (USD MILLION)

TABLE 127 EUROPE: DATA PIPELINE TOOLS MARKET, BY COUNTRY, 2016–2021 (USD MILLION)

TABLE 128 EUROPE: DATA PIPELINE TOOLS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

12.3.2 UK

12.3.2.1 Focus on research & development of advanced technologies to drive growth

12.3.3 GERMANY

12.3.3.1 Rapid adoption of modern technologies across various verticals to fuel expansion

12.3.4 FRANCE

12.3.4.1 Government investments in infrastructure and modern technologies to fuel

growth

12.3.5 REST OF EUROPE

12.4 ASIA PACIFIC

12.4.1 ASIA PACIFIC: DATA PIPELINE TOOLS MARKET DRIVERS

FIGURE 39 ASIA PACIFIC: MARKET SNAPSHOT

TABLE 129 ASIA PACIFIC: DATA PIPELINE TOOLS MARKET, BY COMPONENT, 2016–2021 (USD MILLION)

TABLE 130 ASIA PACIFIC: DATA PIPELINE TOOLS MARKET, BY COMPONENT, 2022–2027 (USD MILLION)

TABLE 131 ASIA PACIFIC: DATA PIPELINE SERVICES MARKET, BY TYPE, 2016–2021 (USD MILLION)

TABLE 132 ASIA PACIFIC: DATA PIPELINE SERVICES MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 133 ASIA PACIFIC: DATA PIPELINE TOOLS MARKET, BY DEPLOYMENT MODE, 2016–2021 (USD MILLION)

TABLE 134 ASIA PACIFIC: DATA PIPELINE TOOLS MARKET, BY DEPLOYMENT MODE, 2022–2027 (USD MILLION)

TABLE 135 ASIA PACIFIC: DATA PIPELINE TOOLS MARKET, BY ORGANIZATION SIZE, 2016–2021 (USD MILLION)

TABLE 136 ASIA PACIFIC: DATA PIPELINE TOOLS MARKET, BY ORGANIZATION SIZE, 2022–2027 (USD MILLION)

TABLE 137 ASIA PACIFIC: DATA PIPELINE TOOLS SUBSEGMENT MARKET, BY TYPE, 2016–2021 (USD MILLION)

TABLE 138 ASIA PACIFIC: DATA PIPELINE TOOLS SUBSEGMENT MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 139 ASIA PACIFIC: DATA PIPELINE TOOLS MARKET, BY APPLICATION, 2016–2021 (USD MILLION)

TABLE 140 ASIA PACIFIC: DATA PIPELINE TOOLS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 141 ASIA PACIFIC: DATA PIPELINE TOOLS MARKET, BY VERTICAL, 2016–2021 (USD MILLION)

TABLE 142 ASIA PACIFIC: DATA PIPELINE TOOLS MARKET, BY VERTICAL, 2022–2027 (USD MILLION)

TABLE 143 ASIA PACIFIC: DATA PIPELINE TOOLS MARKET, BY COUNTRY, 2016–2021 (USD MILLION)

TABLE 144 ASIA PACIFIC: DATA PIPELINE TOOLS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

12.4.2 CHINA

12.4.2.1 Rapid adoption of advanced technologies across various verticals to

increase demand

12.4.3 THAILAND

12.4.3.1 Rise in government and foreign investment to boost demand

12.4.4 MYANMAR

12.4.4.1 Advancement and expansion of technologies to drive growth

12.4.5 VIETNAM

12.4.5.1 Adoption of modern technologies to fuel growth

12.4.6 JAPAN

12.4.6.1 Growth in innovation and initiatives to propel market

12.4.7 INDIA

12.4.7.1 Foreign investment in Indian firms to drive growth

12.4.8 REST OF ASIA PACIFIC

12.5 MIDDLE EAST & AFRICA

12.5.1 MIDDLE EAST & AFRICA: DATA PIPELINE TOOLS MARKET DRIVERS

TABLE 145 MIDDLE EAST & AFRICA: DATA PIPELINE TOOLS MARKET, BY COMPONENT, 2016–2021 (USD MILLION)

TABLE 146 MIDDLE EAST & AFRICA: DATA PIPELINE TOOLS MARKET, BY COMPONENT, 2022–2027 (USD MILLION)

TABLE 147 MIDDLE EAST & AFRICA: DATA PIPELINE SERVICES MARKET, BY TYPE, 2016–2021 (USD MILLION)

TABLE 148 MIDDLE EAST & AFRICA: DATA PIPELINE SERVICES MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 149 MIDDLE EAST & AFRICA: DATA PIPELINE TOOLS MARKET, BY DEPLOYMENT MODE, 2016–2021 (USD MILLION)

TABLE 150 MIDDLE EAST & AFRICA: DATA PIPELINE TOOLS MARKET, BY DEPLOYMENT MODE, 2022–2027 (USD MILLION)

TABLE 151 MIDDLE EAST & AFRICA: DATA PIPELINE TOOLS MARKET, BY ORGANIZATION SIZE, 2016–2021 (USD MILLION)

TABLE 152 MIDDLE EAST & AFRICA: DATA PIPELINE TOOLS MARKET, BY ORGANIZATION SIZE, 2022–2027 (USD MILLION)

TABLE 153 MIDDLE EAST & AFRICA: DATA PIPELINE TOOLS SUBSEGMENT MARKET, BY TYPE, 2016–2021 (USD MILLION)

TABLE 154 MIDDLE EAST & AFRICA: DATA PIPELINE TOOLS SUBSEGMENT MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 155 MIDDLE EAST & AFRICA: DATA PIPELINE TOOLS MARKET, BY APPLICATION, 2016–2021 (USD MILLION)

TABLE 156 MIDDLE EAST & AFRICA: DATA PIPELINE TOOLS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 157 MIDDLE EAST & AFRICA: DATA PIPELINE TOOLS MARKET, BY

VERTICAL, 2016–2021 (USD MILLION)

TABLE 158 MIDDLE EAST & AFRICA: DATA PIPELINE TOOLS MARKET, BY
VERTICAL, 2022–2027 (USD MILLION)

TABLE 159 MIDDLE EAST & AFRICA: DATA PIPELINE TOOLS MARKET, BY
SUBREGION, 2016–2021 (USD MILLION)

TABLE 160 MIDDLE EAST & AFRICA: DATA PIPELINE TOOLS MARKET, BY
SUBREGION, 2022–2027 (USD MILLION)

12.5.2 MIDDLE EAST

12.5.2.1 Higher expenditure on emerging technologies to offer opportunities to drive growth

12.5.3 AFRICA

12.5.3.1 Widespread adoption of technologies to improve business applications

12.6 LATIN AMERICA

12.6.1 LATIN AMERICA: DATA PIPELINE TOOLS MARKET DRIVERS

TABLE 161 LATIN AMERICA: DATA PIPELINE TOOLS MARKET, BY COMPONENT,
2016–2021 (USD MILLION)

TABLE 162 LATIN AMERICA: DATA PIPELINE TOOLS MARKET, BY COMPONENT,
2022–2027 (USD MILLION)

TABLE 163 LATIN AMERICA: DATA PIPELINE SERVICES MARKET, BY TYPE,
2016–2021 (USD MILLION)

TABLE 164 LATIN AMERICA: DATA PIPELINE SERVICES MARKET, BY TYPE,
2022–2027 (USD MILLION)

TABLE 165 LATIN AMERICA: DATA PIPELINE TOOLS MARKET, BY DEPLOYMENT
MODE, 2016–2021 (USD MILLION)

TABLE 166 LATIN AMERICA: DATA PIPELINE TOOLS MARKET, BY DEPLOYMENT
MODE, 2022–2027 (USD MILLION)

TABLE 167 LATIN AMERICA: DATA PIPELINE TOOLS MARKET, BY ORGANIZATION
SIZE, 2016–2021 (USD MILLION)

TABLE 168 LATIN AMERICA: DATA PIPELINE TOOLS MARKET, BY ORGANIZATION
SIZE, 2022–2027 (USD MILLION)

TABLE 169 LATIN AMERICA: DATA PIPELINE TOOLS SUBSEGMENT MARKET, BY
TYPE, 2016–2021 (USD MILLION)

TABLE 170 LATIN AMERICA: DATA PIPELINE TOOLS SUBSEGMENT MARKET, BY
TYPE, 2022–2027 (USD MILLION)

TABLE 171 LATIN AMERICA: DATA PIPELINE TOOLS MARKET, BY APPLICATION,
2016–2021 (USD MILLION)

TABLE 172 LATIN AMERICA: DATA PIPELINE TOOLS MARKET, BY APPLICATION,
2022–2027 (USD MILLION)

TABLE 173 LATIN AMERICA: DATA PIPELINE TOOLS MARKET, BY VERTICAL,

2016–2021 (USD MILLION)

TABLE 174 LATIN AMERICA: DATA PIPELINE TOOLS MARKET, BY VERTICAL,
2022–2027 (USD MILLION)

TABLE 175 LATIN AMERICA: DATA PIPELINE TOOLS MARKET, BY COUNTRY,
2016–2021 (USD MILLION)

TABLE 176 LATIN AMERICA: DATA PIPELINE TOOLS MARKET, BY COUNTRY,
2022–2027 (USD MILLION)

12.6.2 BRAZIL

12.6.2.1 Need to integrate and validate data collected from sources to drive demand

12.6.3 MEXICO

12.6.3.1 Rapid adoption of modern technology and initiatives by government to drive demand

12.6.4 REST OF LATIN AMERICA

13 COMPETITIVE LANDSCAPE

13.1 OVERVIEW

13.2 STRATEGIES ADOPTED BY KEY PLAYERS

TABLE 177 OVERVIEW OF STRATEGIES DEPLOYED BY KEY PLAYERS IN DATA
PIPELINE TOOLS MARKET

13.3 REVENUE ANALYSIS

FIGURE 40 REVENUE ANALYSIS FOR KEY COMPANIES IN PAST FIVE YEARS
(USD MILLION)

13.4 MARKET SHARE ANALYSIS

FIGURE 41 DATA PIPELINE TOOLS MARKET SHARE ANALYSIS FOR KEY
PLAYERS IN 2022

TABLE 178 DATA PIPELINE TOOLS MARKET: DEGREE OF COMPETITION

13.5 COMPANY EVALUATION QUADRANT

13.5.1 STARS

13.5.2 EMERGING LEADERS

13.5.3 PERVASIVE PLAYERS

13.5.4 PARTICIPANTS

FIGURE 42 KEY DATA PIPELINE TOOLS MARKET PLAYERS, COMPANY
EVALUATION MATRIX, 2022

13.6 STARTUP/SME EVALUATION MATRIX

13.6.1 PROGRESSIVE COMPANIES

13.6.2 RESPONSIVE COMPANIES

13.6.3 DYNAMIC COMPANIES

13.6.4 STARTING BLOCKS

FIGURE 43 DATA PIPELINE TOOL STARTUPS/SMES, COMPANY EVALUATION MATRIX, 2022**13.7 COMPETITIVE BENCHMARKING****TABLE 179 DATA PIPELINE TOOLS MARKET: DETAILED LIST OF KEY STARTUPS/SMES****TABLE 180 DATA PIPELINE TOOLS MARKET: COMPETITIVE BENCHMARKING OF KEY PLAYERS (STARTUPS/SMES)****13.8 COMPETITIVE SCENARIO****13.8.1 PRODUCT LAUNCHES****TABLE 181 PRODUCT LAUNCHES, 2018–2022****13.8.2 DEALS****TABLE 182 DEALS, 2018–2022****13.8.3 OTHERS****TABLE 183 OTHERS, 2018–2022****14 COMPANY PROFILES**

(Business Overview, Solutions offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats))*

14.1 KEY PLAYERS**14.1.1 GOOGLE****TABLE 184 GOOGLE: BUSINESS OVERVIEW****FIGURE 44 GOOGLE: COMPANY SNAPSHOT****TABLE 185 GOOGLE: SOLUTIONS OFFERED****TABLE 186 GOOGLE: PRODUCT LAUNCHES AND ENHANCEMENTS****TABLE 187 GOOGLE: DEALS****14.1.2 IBM****TABLE 188 IBM: BUSINESS OVERVIEW****FIGURE 45 IBM: COMPANY SNAPSHOT****TABLE 189 IBM: SOLUTIONS OFFERED****TABLE 190 IBM: PRODUCT LAUNCHES AND ENHANCEMENTS****TABLE 191 IBM: DEALS****TABLE 192 IBM: OTHERS****14.1.3 MICROSOFT****TABLE 193 MICROSOFT: BUSINESS OVERVIEW****FIGURE 46 MICROSOFT: COMPANY SNAPSHOT****TABLE 194 MICROSOFT: SOLUTIONS OFFERED****TABLE 195 MICROSOFT: PRODUCT LAUNCHES AND ENHANCEMENTS**

TABLE 196 MICROSOFT: DEALS

TABLE 197 MICROSOFT: OTHERS

14.1.4 AWS

TABLE 198 AWS: BUSINESS OVERVIEW

FIGURE 47 AWS: COMPANY SNAPSHOT

TABLE 199 AWS: SOLUTIONS OFFERED

TABLE 200 AWS: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 201 AWS: DEALS

TABLE 202 AWS: OTHERS

14.1.5 SAP

TABLE 203 SAP: BUSINESS OVERVIEW

FIGURE 48 SAP: COMPANY SNAPSHOT

TABLE 204 SAP: SOLUTIONS OFFERED

TABLE 205 SAP: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 206 SAP: DEALS

14.1.6 ORACLE

TABLE 207 ORACLE: BUSINESS OVERVIEW

FIGURE 49 ORACLE: COMPANY SNAPSHOT

TABLE 208 ORACLE: SOLUTIONS OFFERED

TABLE 209 ORACLE: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 210 ORACLE: DEALS

14.1.7 ALTERYX

TABLE 211 ALTERYX: BUSINESS OVERVIEW

FIGURE 50 ALTERYX: COMPANY SNAPSHOT

TABLE 212 ALTERYX: SOLUTIONS OFFERED

TABLE 213 ALTERYX: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 214 ALTERYX: DEALS

14.1.8 INFORMATICA

TABLE 215 INFORMATICA: BUSINESS OVERVIEW

TABLE 216 INFORMATICA: SOLUTIONS OFFERED

TABLE 217 INFORMATICA: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 218 INFORMATICA: DEALS

TABLE 219 INFORMATICA: OTHERS

14.1.9 ACTIAN

TABLE 220 ACTIAN: BUSINESS OVERVIEW

TABLE 221 ACTIAN: SOLUTIONS OFFERED

TABLE 222 ACTIAN: PRODUCT LAUNCHES AND ENHANCEMENTS

14.1.10 TALEND

TABLE 223 TALEND: BUSINESS OVERVIEW

FIGURE 51 TALEND: COMPANY SNAPSHOT

TABLE 224 TALEND: SOLUTIONS OFFERED

TABLE 225 TALEND: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 226 TALEND: DEALS

TABLE 227 TALEND: OTHERS

14.1.11 DENODO TECHNOLOGIES

TABLE 228 DENODO TECHNOLOGIES: BUSINESS OVERVIEW

TABLE 229 DENODO TECHNOLOGIES: SOLUTIONS OFFERED

TABLE 230 DENODO TECHNOLOGIES: PRODUCT LAUNCHES AND
ENHANCEMENTS

TABLE 231 DENODO TECHNOLOGIES: DEALS

14.1.12 SNOWFLAKE

TABLE 232 SNOWFLAKE: BUSINESS OVERVIEW

TABLE 233 SNOWFLAKE: SOLUTIONS OFFERED

TABLE 234 SNOWFLAKE: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 235 SNOWFLAKE: DEALS

14.1.13 SOFTWARE AG

TABLE 236 SOFTWARE AG: BUSINESS OVERVIEW

TABLE 237 SOFTWARE AG: SOLUTIONS OFFERED

TABLE 238 SOFTWARE AG: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 239 SOFTWARE AG: DEALS

14.1.14 HITACHI VANTARA

TABLE 240 HITACHI VANTARA: BUSINESS OVERVIEW

TABLE 241 HITACHI: SOLUTIONS OFFERED

TABLE 242 HITACHI VANTARA: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 243 HITACHI VANTARA: DEALS

14.1.15 QLIK

TABLE 244 QLIK: BUSINESS OVERVIEW

TABLE 245 QLIK: SOLUTIONS OFFERED

TABLE 246 QLIK: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 247 QLIK: DEALS

14.1.16 TIBCO

TABLE 248 TIBCO: BUSINESS OVERVIEW

TABLE 249 TIBCO: SOLUTIONS OFFERED

TABLE 250 TIBCO: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 251 TIBCO: DEALS

14.1.17 HEVO DATA

TABLE 252 HEVO DATA: BUSINESS OVERVIEW

TABLE 253 HEVO DATA: SOLUTIONS OFFERED

TABLE 254 HEVO DATA: DEALS

14.1.18 ADEPTIA

14.1.19 SNAPLOGIC

14.1.20 K2VIEW

14.1.21 PRECISELY

14.1.22 TAPCLICKS

14.1.23 RIVERY.IO

14.2 STARTUP/SME PLAYERS

14.2.1 GATHR

14.2.2 CONFLUENT

14.2.3 ESTUARY FLOW

14.2.4 BLEND0

14.2.5 INTEGRATE.IO

14.2.6 FIVETRAN

*Details on Business Overview, Solutions offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

15 ADJACENT AND RELATED MARKETS**15.1 INTRODUCTION****15.2 DATA INTEGRATION MARKET—GLOBAL FORECAST TO 2026**

15.2.1 MARKET DEFINITION

15.2.2 MARKET OVERVIEW

15.2.3 DATA INTEGRATION MARKET, BY COMPONENT

TABLE 255 DATA INTEGRATION MARKET, BY COMPONENT, 2015–2020 (USD MILLION)**TABLE 256 DATA INTEGRATION MARKET, BY COMPONENT, 2021–2026 (USD MILLION)**

15.2.4 DATA INTEGRATION MARKET, BY APPLICATION

TABLE 257 DATA INTEGRATION MARKET, BY BUSINESS APPLICATION, 2015–2020 (USD MILLION)**TABLE 258 DATA INTEGRATION MARKET, BY BUSINESS APPLICATION, 2021–2026 (USD MILLION)**

15.2.5 DATA INTEGRATION MARKET, BY DEPLOYMENT MODEL

TABLE 259 DATA INTEGRATION MARKET, BY DEPLOYMENT MODEL, 2015–2020 (USD MILLION)**TABLE 260 DATA INTEGRATION MARKET, BY DEPLOYMENT MODEL, 2021–2026 (USD MILLION)**

15.2.6 DATA INTEGRATION MARKET, BY ORGANIZATION SIZE

TABLE 261 DATA INTEGRATION MARKET, BY ORGANIZATION SIZE, 2015–2020
(USD MILLION)

TABLE 262 DATA INTEGRATION MARKET, BY ORGANIZATION SIZE, 2021–2026
(USD MILLION)

15.2.7 DATA INTEGRATION MARKET, BY VERTICAL

TABLE 263 DATA INTEGRATION MARKET, BY VERTICAL, 2015–2020 (USD
MILLION)

TABLE 264 DATA INTEGRATION MARKET, BY VERTICAL, 2021–2026 (USD
MILLION)

15.2.8 DATA INTEGRATION MARKET, BY REGION

TABLE 265 DATA INTEGRATION MARKET, BY REGION, 2015–2020 (USD MILLION)

TABLE 266 DATA INTEGRATION MARKET, BY REGION, 2021–2026 (USD MILLION)

15.3 BIG DATA MARKET—GLOBAL FORECAST TO 2026

15.3.1 MARKET DEFINITION

15.3.2 MARKET OVERVIEW

TABLE 267 BIG DATA MARKET SIZE AND GROWTH RATE, 2016–2020 (USD
MILLION, Y-O-Y)

TABLE 268 BIG DATA MARKET SIZE AND GROWTH RATE, 2021–2026 (USD
MILLION, Y-O-Y)

15.3.3 BIG DATA MARKET, BY COMPONENT

TABLE 269 BIG DATA MARKET, BY COMPONENT, 2016–2020 (USD MILLION)

TABLE 270 BIG DATA MARKET, BY COMPONENT, 2021–2026 (USD MILLION)

15.3.4 BIG DATA MARKET, BY BUSINESS FUNCTION

TABLE 271 BIG DATA MARKET, BY BUSINESS FUNCTION, 2016–2020 (USD
MILLION)

TABLE 272 BIG DATA MARKET, BY BUSINESS FUNCTION, 2021–2026 (USD
MILLION)

15.3.5 BIG DATA MARKET, BY ORGANIZATION SIZE

TABLE 273 BIG DATA MARKET, BY ORGANIZATION SIZE, 2016–2020 (USD
MILLION)

TABLE 274 BIG DATA MARKET, BY ORGANIZATION SIZE, 2021–2026 (USD
MILLION)

15.3.6 BIG DATA MARKET, BY DEPLOYMENT MODE

TABLE 275 BIG DATA MARKET, BY DEPLOYMENT MODE, 2016–2020 (USD
MILLION)

TABLE 276 BIG DATA MARKET, BY DEPLOYMENT MODE, 2021–2026 (USD
MILLION)

15.3.7 BIG DATA MARKET, BY VERTICAL

TABLE 277 BIG DATA MARKET, BY INDUSTRY VERTICAL, 2016–2020 (USD MILLION)

TABLE 278 BIG DATA MARKET, BY INDUSTRY VERTICAL, 2021–2026 (USD MILLION)

15.3.8 BIG DATA MARKET, BY REGION

TABLE 279 BIG DATA MARKET, BY REGION, 2016–2020 (USD MILLION)

TABLE 280 BIG DATA MARKET, BY REGION, 2021–2026 (USD MILLION)

16 APPENDIX

16.1 DISCUSSION GUIDE

16.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

16.3 CUSTOMIZATION OPTIONS

16.4 RELATED REPORTS

16.5 AUTHOR DETAILS

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