



2024 INDUSTRY REPORT

AI, ML & Data Analytics

Baker Tilly Report

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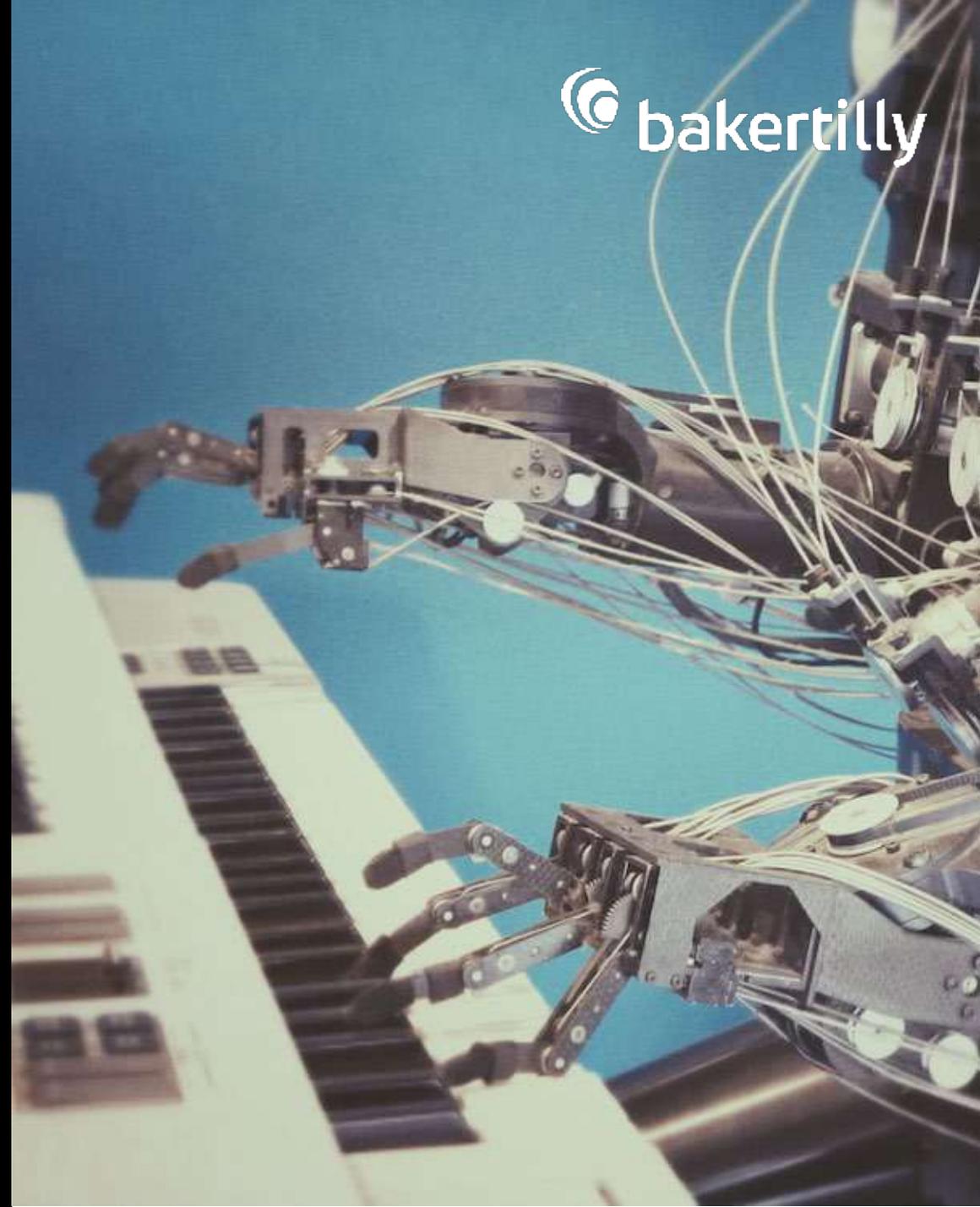
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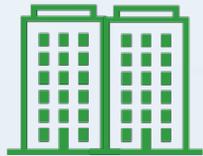
Feed summary

This study covers **77,552** companies worldwide related with the **Artificial Intelligence, Machine Learning and Data Analytics** industries. All the data about companies, acquisitions and founding rounds was extracted on **December 3, 2023**. Deals, rounds and companies founded after this date have not been included.

In this Market Analysis you will be able to solve your doubts regarding what **type of investors** are investing in the sector, what **type of companies** are acquiring market share companies, how much **investment** has been made and is expected to be made...



Overview



71 K
Active



26 K
Funded



524
IPOs



\$613 bn
Funding



68.14 K
Rounds



131 K
Investments
made



5,667
Acquisitions by
Sector's
Companies



5,940
Sector's
Companies
acquired



What are Artificial Intelligence, bakertilly Machine Learning and Data Analytics?

Data Analytics, Artificial Intelligence, and Machine Learning (ML) are not merely distinct disciplines; they form an intricate web of **knowledge extraction and decision-making**. While data analytics delves into the intricacies of data sets, unravelling patterns, trends, and insights, AI and ML provide the tools and frameworks to automate and enhance this analytical process.

The convergence of these three disciplines yields a wealth of benefits for organizations across industries:

- **Predictive Insights:** data analytics, AI, and ML empower organizations to forecast future trends, identify potential risks, and make strategic decisions based on predicted outcomes.
- **In-depth Understanding:** these technologies provide a comprehensive understanding of data, encompassing structured, unstructured, qualitative, and quantitative data sources.
- **Enhanced Decision-Making:** by extracting actionable insights from data, organizations can make informed decisions that optimize operations, improve customer experiences, and drive innovation.
- **Efficient Network Management:** AIOps, operations powered by AI, leverage data analytics and ML to streamline network troubleshooting, enhance security, and optimize network performance.

Exploring Machine Learning



At its core, machine learning (ML) is the science of enabling machines to **learn from data and improve** their performance without explicit programming. It is a vast and intricate field that employs **specialized algorithms, statistical methods, and automation** to extract knowledge from vast datasets. ML is closely intertwined with artificial intelligence (AI), as both disciplines aim to empower machines to mimic human intelligence and perform tasks autonomously.

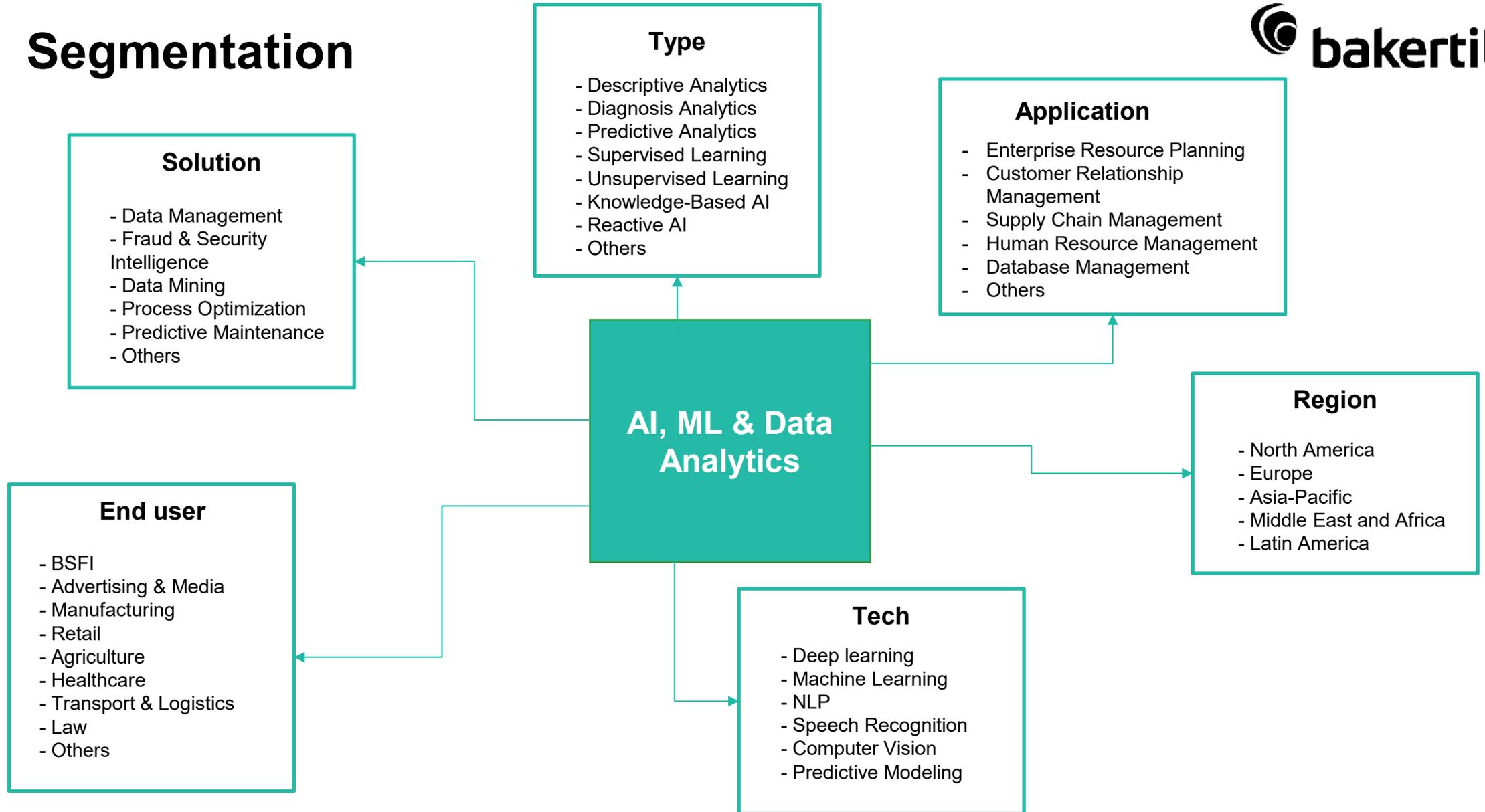
The primary objective of ML is to empower machines to **make informed decisions** based on patterns, behaviours, trends, and preferences. By analysing data patterns, ML algorithms can identify hidden relationships and make predictions about future events. This capability has far-reaching applications in various industries, from healthcare to finance to manufacturing.

Here are some of the key benefits of machine learning:

- **Predictive Analytics:** ML algorithms can analyse historical data and current trends to predict future outcomes, enabling organizations to make proactive decisions and optimize their operations.
- **Improved Efficiency:** ML can automate repetitive tasks, reduce human error, and streamline processes, leading to significant efficiency gains.
- **Personalized Experiences:** ML can analyse user behaviour and preferences to deliver tailored recommendations, content, and services, enhancing customer satisfaction and engagement.
- **Increased Automation:** ML can automate complex tasks that were previously performed manually, freeing up human resources for more strategic and value-added activities.



Segmentation



Clustering by #Funding (2022)

We highlight two groups of business models classified according to the **description** of the companies:

- **Data Science & Big Data** companies.
- **Robotic Automation** industry.
- **Analytics & AI for Healthcare** industry.

These specific groups are the ones that have received the **most rounds in 2022**. Data science & Big data and Robotic Automation developments are reflected in a total of **266 and 192** number of rounds respectively. Companies such as Fractal Analytics raised **\$360M**, while Astronomer secured **\$213M**.

At the same time, the rounds held by companies targeting the medical or patient care industry should be highlighted. This type of company had a very important boom due to Covid-19, but what is relevant is that they are still very active in the sector. In reference to 2022, despite a 25% decrease in the number of rounds, it continues to be the sector with the highest number of funding rounds.

Source Crunchbase.



Clustering by #Acquisitions (2022)

In terms of acquisitions, the groups achieved through company descriptions are similar:

- **Analytics, Big Data and Data Science.**
- **Machine Learning.**
- **Health care** industry.

In terms of acquisitions, Analytics, Big Data and Data Science niche had an increase of **12.9%** in 2022.

Being an emerging and evolving niche, Machine Learning companies in 2022 have seen an increase of **18.2%** in acquisitions. Companies such as **Streamlit** (bought by Snowflake) or **Zymergen** (bought Ginkgo Bioworks) stand out.

And finally, the Health Care industry, which, as with the rounds, stands out in the field of acquisitions. Companies such as **Artemis Health** (bought by Nomi Health) or **Diameter Health** (bought by Availity) have already been acquired in 2022.

Source Crunchbase.





Value Chain



1. Data Acquisition: The first step in the value chain is data acquisition. This involves collecting, cleaning, and preparing data for analysis. Data can come from a variety of sources, including sensors, databases, and social media. The quality and quantity of data are crucial for the accuracy of AI, ML, and data analytics models.

2. Data Preparation: Once data has been acquired, it needs to be prepared for analysis. This involves cleaning the data to remove errors and inconsistencies, and transforming the data into a format that can be used by AI, ML, and data analytics models. This step is critical for ensuring that the models produce accurate results.

3. Model Building: The next step is model building. This involves creating AI, ML, and data analytics models that can be used to extract insights from the data. There are many different models available, each with its own strengths and weaknesses. The choice of model depends on the specific task at hand.

4. Model Training: Once models have been built, they need to be trained on data. This involves feeding the models data and adjusting their parameters until they can accurately predict or classify new data. The training process can be time-consuming, but it is essential for ensuring that the models produce accurate results.

5. Model Deployment: Once models have been trained, they can be deployed to real-world applications. This involves integrating the models into existing systems or developing new applications that use the models. Deployment can be challenging, as it requires careful consideration of factors such as security, performance, and scalability.

6. Monitoring and Tuning: Once models are deployed, they need to be monitored and tuned on an ongoing basis. This involves tracking the performance of the models and making adjustments as needed. Monitoring and tuning are essential for ensuring that the models remain accurate and relevant over time.

7. Value Creation: The final step in the value chain is value creation. This involves using the insights generated by AI, ML, and data analytics to improve decision-making, optimize processes, and drive innovation.

SWOT

Strengths

Advanced Processing Capability. AI, ML and Data Analytics tools can process large volumes of data quickly and efficiently, identifying complex patterns and conducting predictive analyses.

Automation. The incorporation of artificial intelligence allows the automation of routine tasks in data analysis, improving efficiency and reducing the time needed for results.

Enhanced Decision-Making. By utilizing machine learning models, AI Analytics can provide more accurate insights and assist in strategic decision-making based on data.

Adaptability. AI can adapt and learn continuously when faced with new datasets, making it versatile in different environments and contexts.

Weaknesses

Dependency on Quality Data. AI & Data Analytics are vulnerable when the input data is of low quality or biased, potentially affecting the quality of the results.

Resource Requirements. Implementing AI solutions often requires significant investments in computational resources, specialized skills, and development time.

Interpretation of Results. Interpreting results generated by machine learning models can be challenging, especially with complex models, potentially impacting confidence in the provided insights.

Opportunities

Expansion into Verticals. AI, ML and Data Analytics can expand into various sectors such as healthcare, finance, manufacturing, etc., offering opportunities for specialized applications and tailor-made solutions.

Improved User Experience. AI can contribute to improving the user experience through personalized services and more accurate recommendations.

Growing adoption. The growing adoption of artificial intelligence and machine learning is expected to create new opportunities for data analytics companies.

Threats

Competition. The industry faces intense competition from large technology companies and startups that are developing their own analytics solutions.

Regulatory environment. The regulatory environment around data privacy and security is rapidly evolving, which could create challenges for tech companies.

Cybersecurity threats. Cybersecurity threats could compromise the security and integrity of data, leading to a loss of trust among customers and reduced demand for data analytics solutions.

Market Value

The worldwide market for Artificial Intelligence is projected to experience significant growth in the coming years. According Business Research, the industry is expected to increase from **\$515.31 billion in 2023 to \$2 trillion by 2030**, representing a compound annual growth rate (CAGR) of **21.6%**.



AI, ML & Data Analytics
MARKET TRENDS

Baker Tilly Report

Market Trends

1. **AI-Driven & Data-Centric Decision-Making**
2. **Predictive Analytics**
3. **Automation**
4. **Generative AI**
5. **Cloud Services**
6. **Edge Computing**
7. **Ethical AI & AI Legislation**
8. **Customer Experience Analytics**
9. **External/Open Data**
10. **Augmented Working**



AI-Driven & Data-Centric Decision-Making



In the landscape of decision-making, the convergence of Artificial Intelligence (AI) and data-centric methodologies defines the paradigm of AI-Driven & Data-Centric Decision-Making. Within this trend, three key dimensions emerge, each contributing to the enhancement of decision-making processes in a dynamic and technologically-driven environment.

1. Enhanced Human-AI Collaboration

An integral facet focuses on improving collaboration between humans and AI systems. Streamlining user interfaces for intuitive interaction fosters productive partnerships, allowing users to capitalize on AI capabilities in decision-making processes.

2. Ethical AI Integration

Embedded ethical considerations are gaining prominence within AI-driven decision-making. This dimension emphasizes the need to address algorithmic biases, safeguard privacy, and uphold ethical standards, ensuring **fairness and transparency** in decision outcomes.

3. Continuous Learning Systems

Advancing decision-making capabilities involves the implementation of AI systems designed for continuous learning. This dimension advocates for adaptive models that evolve with changing data dynamics, enhancing **decision accuracy and organizational responsiveness** over time.

AI-Driven & Data-Centric Decision-Making



In 2022, **Google** acquired **Mandiant**, a leading provider of cybersecurity solutions that utilize AI and machine learning to detect and respond to cyberattacks. This acquisition marked a significant strategic move for Google to bolster its cybersecurity capabilities and expand its reach into the data-driven decision-making market.

Google's M&A strategy for integrating Mandiant involved several key steps:

- **Integration of Mandiant Security Solutions:** Google integrated Mandiant's security solutions into its cloud-based security platform, providing businesses with a unified cybersecurity experience.
- **Development of Specialized AI-Driven Security Solutions:** Google developed specialized AI-driven security solutions for specific industries and use cases, leveraging Mandiant's expertise to address the unique needs of different business domains.
- **Talent Acquisition and Retention:** Google invested in acquiring and retaining Mandiant's skilled workforce, ensuring that the company's innovation and expertise would remain a key asset.

Predictive Analytics

Predictive analytics has become a vital tool for organizations aiming to extract insights from data sets and make informed decisions. This involves using statistical techniques to analyze historical data, revealing patterns that forecast future outcomes. Predictive analytics empowers businesses to **anticipate customer behaviour, optimize operations, and manage risks effectively.**

1. Data Democratization:

Traditionally limited to data scientists, predictive analytics is becoming **more accessible to a broader audience**, including business analysts and frontline employees. User-friendly tools and platforms simplify model creation and deployment, driving this trend.

2. Real-time Predictive Analytics:

The shift towards real-time predictive analytics is driven by the increasing availability of real-time data. This approach allows businesses to extract insights as data is generated, enabling **faster, more informed decisions and immediate adaptation** to market changes.

3. Effective communication of predictive analytics:

There is a growing emphasis on creating **immersive visualizations** that present complex data in an easily understandable and engaging manner. These visuals facilitate communication across the organization, ensuring a shared understanding and promoting data-driven decision-making.

Predictive Analytics

BIONTECH

▶ InstaDeep™

Biopharmaceutical New Technologies (BioNTech) has completed the acquisition of **InstaDeep**, a company specializing in artificial intelligence (AI) for drug discovery and development. The deal was valued at approximately €500 million in cash, BioNTech shares, and performance-based future milestone payments.

InstaDeep is a leading AI company with expertise in **reinforcement learning, natural language processing, predictive analytics and computer vision**. The company has developed AI-powered tools for drug discovery, including a platform for predicting drug-target interactions and a system for analyzing clinical trial data.

The acquisition of InstaDeep will accelerate BioNTech's AI-driven drug discovery efforts and strengthen its position as a leader in personalized medicine. InstaDeep's technologies will be integrated into BioNTech's drug discovery pipeline, helping the company to identify and develop new therapies for a wide range of diseases.

 bakertilly



Automation



In today's competitive landscape, automation is rapidly transforming the way organizations operate, enabling businesses to **streamline processes, enhance productivity, and gain a competitive edge**. Automation encompasses the use of technology to automate tasks that were previously performed manually.

1. Robotic Process Automation (RPA)

RPA is a rapidly growing field that focuses on **automating repetitive and rule-based tasks**. RPA robots can mimic human actions to automate tasks across various industries, from finance and accounting to customer service and IT.

2. Low-code/No-code Automation

Low-code/no-code platforms are making it easier for businesses to automate processes without requiring extensive coding knowledge. These platforms provide drag-and-drop interfaces and pre-built automations, enabling businesses to **quickly and easily** automate tasks.

3. Cognitive Automation

Cognitive automation leverages artificial intelligence (AI) and machine learning (ML) to automate tasks that require decision-making and complex logic. Cognitive automation systems can **learn from data and adapt** to changing requirements, enabling businesses to automate more complex processes.

Automation



SIEMENS



Siemens acquired **Mendix**, a leading low-code application platform. This acquisition marked a significant strategic move for Siemens to expand its low-code automation capabilities and strengthen its position in the rapidly growing digital enterprise market.

Siemens' M&A strategy for integrating Mendix involved several key steps:

- **Integration of Low-Code Capabilities:** Siemens integrated Mendix's low-code platform into its broader digital enterprise solutions portfolio, providing businesses with a unified low-code development experience.
- **Development of Specialized Low-Code Solutions:** Siemens developed specialized low-code solutions for specific industries and use cases, leveraging Mendix's capabilities to address the unique needs of different business domains.
- **Talent Acquisition and Retention:** Siemens invested in acquiring and retaining Mendix's skilled workforce, ensuring that the company's innovation and expertise would remain a key asset.

Generative AI

Generative AI has emerged as a transformative force, revolutionizing the way we interact with data, create content, and solve complex problems. From developing groundbreaking artistic masterpieces to powering personalized customer experiences, generative AI is rapidly expanding its reach and impact across industries. Three key trends are shaping the future of generative AI companies:

1. Multimodal AI Models

Traditional generative AI models have focused primarily on text or images, but the future lies in multimodal models that can seamlessly **integrate and interpret data from multiple sources**, including audio, video, and sensory data. This convergence of modalities will enable generative AI to create more immersive and personalized experiences, enhancing user engagement and driving innovation.

2. AI-Powered Digital Employees

Generative AI is poised to transform the workplace by introducing AI-powered digital employees and expert workers. These intelligent assistants will automate repetitive tasks, provide personalized guidance, and streamline communication, freeing up human employees to focus on more strategic and creative endeavors. This collaboration between humans and AI will foster a **more efficient, productive, and innovative** work environment.

3. Generative Search

Generative search engines are revolutionizing how we interact with digital information. By understanding the context and intent of user queries, these AI-powered systems can generate **personalized responses** that provide comprehensive and relevant information. This shift from keyword-based search to contextual understanding will enhance the search experience and empower users to discover the information they need more effectively.

Generative AI



Microsoft has made a bold and strategic move by investing in **OpenAI**, a company dedicated to advancing and developing AI. This landmark deal marks a significant step forward in the commercialization of AI technology and sets the stage for a new era of innovation and collaboration.

Microsoft's investment in OpenAI is not merely a financial transaction; it represents a deep commitment to fostering open innovation and AI development:

- **Enhanced AI Innovation:** Microsoft's financial backing and technical expertise will fuel OpenAI's research efforts, enabling it to push the boundaries of AI development and create even more powerful and versatile AI models.
- **Accelerated Commercialization:** Microsoft's partnership will accelerate the commercialization of OpenAI's technologies, bringing them to market more quickly and effectively, benefiting businesses and consumers alike.
- **Responsible AI Development:** OpenAI's commitment to responsible AI development aligns perfectly with Microsoft's values, ensuring that AI is developed and deployed in a way that benefits society while minimizing potential risks.





Cloud Services



In the realm of technology, cloud services have emerged as a transformative force, revolutionizing the way organizations operate and interact with data. Cloud computing offers a multitude of benefits, including **scalability, cost-effectiveness, and enhanced efficiency**, enabling businesses to focus on their core competencies while leveraging cutting-edge technology. To stay ahead of the curve, cloud service providers (CSPs) are constantly adapting to the changing demands of the market. As the industry matures, several key trends are emerging, shaping the future of cloud services.

1. Multi-Cloud and Hybrid Cloud Adoption

The traditional approach of relying on a single cloud provider is giving way to a more diversified strategy, characterized by multi-cloud and hybrid cloud deployments. This approach allows organizations to leverage the strengths of different cloud providers, ensuring **greater flexibility, resilience, and adaptability**.

2. Edge Computing

Edge computing is rapidly gaining traction as a means of delivering computing resources closer to the data source. This approach is particularly beneficial for latency-sensitive applications, such as IoT devices, autonomous vehicles, and real-time analytics.

3. Artificial Intelligence (AI) and Machine Learning (ML) Integration

AI and ML are being integrated into cloud services at an unprecedented pace. These technologies are enabling CSPs to offer a wider range of intelligent services, such as **predictive analytics, natural language processing, and computer vision**.



Cloud Services



Microsoft is one of the leading cloud services providers, and it has been aggressively pursuing an acquisition strategy to expand its market share and capabilities. In recent years, Microsoft has acquired several companies with expertise in AI, machine learning, and security, including **Nuance Communications**, **LinkedIn**, and **GitHub**.

Microsoft's acquisitions have helped the company to expand its cloud offerings and make them more competitive with rivals like Amazon Web Services (AWS) and Google Cloud Platform (GCP). By acquiring companies with complementary technologies and expertise, Microsoft is able to provide a more comprehensive and integrated cloud solution for businesses.

Edge Computing

Edge computing is a paradigm shift in computing, moving **data processing and analysis closer to the source of data generation**. This distributed approach offers several benefits, including reduced latency, improved security, and enhanced scalability. As businesses adopt edge computing, three key trends are shaping the market:

1. Multi-access Edge Computing (MEC)

The convergence of edge computing and 5G networks is creating a powerful ecosystem for **real-time applications**. MEC enables 5G networks to offload data processing to edge nodes, reducing latency and enabling on-device analytics. This convergence is driving the development of new edge computing applications in areas such as augmented reality, autonomous vehicles, and smart cities.

2. Edge Data Centers

Edge data centers are emerging as a critical infrastructure to support the growing demand for edge computing. These distributed data centers are strategically located close to data sources, providing the necessary **processing power and storage capacity** to support real-time applications. The development of edge data centers is fostering innovation in edge computing solutions and enabling businesses to leverage the power of distributed computing.

3. Edge-to-Cloud Integration

As edge computing deployments expand, the need for seamless integration with cloud-based services is increasing. Edge-to-cloud integration enables businesses to leverage the strengths of both edge and cloud computing, ensuring that data can be securely transferred and analyzed across the network. This integration is facilitating the development of **hybrid edge-cloud architectures** that optimize data processing and analysis based on location and application requirements.

Edge Computing



In 2020, **Microsoft** acquired **Affirmed Networks**, a leading provider of edge computing solutions. This acquisition marked a significant strategic move for Microsoft to expand its edge computing capabilities and strengthen its position in the cloud computing market.

Microsoft's M&A strategy for integrating Affirmed Networks involved several key steps:

- **Integration of Edge Computing Capabilities:** Microsoft integrated Affirmed Networks' edge computing platform into its Azure stack, providing businesses with a unified edge computing experience.
- **Development of Specialized Edge Computing Solutions:** Microsoft developed specialized edge computing solutions for specific industries and use cases, leveraging Affirmed Networks' capabilities to address the unique needs of different business domains.
- **Talent Acquisition and Retention:** Microsoft invested in acquiring and retaining Affirmed Networks' skilled workforce, ensuring that the company's innovation and expertise would remain a key asset.



Ethical AI & AI Legislation bakertilly

The ethical development and deployment of AI are becoming increasingly important as AI becomes more pervasive in society. Businesses are increasingly looking for ways to develop and use AI in a **responsible and ethical** manner, and governments are enacting new **laws and regulations** to govern AI. Several key trends are shaping the future of ethical AI and AI legislation companies.

1. Focus on Explainable AI (XAI)

XAI is a growing field that focuses on making AI models more **transparent and understandable**. This is important, as it can help to build trust in AI systems and ensure that they are not biased or discriminatory. Companies are developing new XAI techniques to make their AI models more transparent, and governments are exploring ways to regulate the use of XAI.

2. Emerging AI Ethics Frameworks

AI ethics frameworks are being developed to provide guidance on the ethical development and deployment of AI. These frameworks are helping to ensure that AI is developed and used in a way that is aligned with **human values and principles**. Companies are adopting AI ethics frameworks to guide their AI development and deployment efforts, and governments are incorporating AI ethics frameworks into their legislation.

3. Growth of AI Ethics Consulting Services

The demand for AI ethics consulting services is growing as businesses and governments seek **expert advice** on ethical AI. AI ethics consultants help businesses to develop and implement ethical AI practices, and they help governments to develop and enforce AI ethics regulations. The growth of AI ethics consulting services is creating new opportunities for businesses that are specialized in this area.



Ethical AI & AI Legislation bakertilly



IBM is a leading provider of AI solutions, and it has established a dedicated **Ethics & Society Division** to address the ethical challenges of AI. The Ethics & Society Division develops AI ethics principles, conducts AI ethics research, and provides AI ethics consulting services. IBM's Ethics & Society Division is helping to shape the future of ethical AI and is making a significant contribution to the development of responsible AI practices.

The IBM Ethics & Society Division engages in a variety of activities to achieve its goals, including:

- **Developing AI ethics principles.** The Division has developed the IBM Principles of Trust and Transparency, **which** provide a set of guidelines for the responsible development and deployment of AI. The Principles are designed to help organizations build trust in AI, make AI more transparent, and ensure that AI is used in a way that is consistent with human values.
- **Conducting AI ethics research.** The Division conducts research on a variety of ethical challenges related to AI, such as bias, discrimination, privacy, and the impact of AI on society. This research helps to inform the development of AI ethics principles and practices.
- **Providing AI ethics consulting services.** The Division provides AI ethics consulting services to businesses and governments. These services help organizations to develop and implement ethical AI practices, and to comply with AI ethics regulations.
- **Raising awareness of AI ethics.** The Division raises awareness of the ethical challenges of AI and promotes responsible AI practices through various channels, such as articles, webinars, and conferences.

Customer Experience Analytics

Customer experience has become a key differentiator, driving **customer loyalty, brand reputation, and long-term success**. Customer experience analytics (CEA) plays a crucial role in unlocking valuable insights from customer data, enabling businesses to gain a deeper understanding of customer behavior, preferences, and pain points.

CEA encompasses a range of **data-driven tools and techniques** that help businesses analyze customer interactions across various touchpoints, from websites and mobile apps to social media and customer service interactions. By leveraging CEA, businesses can identify areas for improvement, personalize customer experiences, and deliver exceptional customer experiences that drive business growth.

1. AI-powered insights and personalization

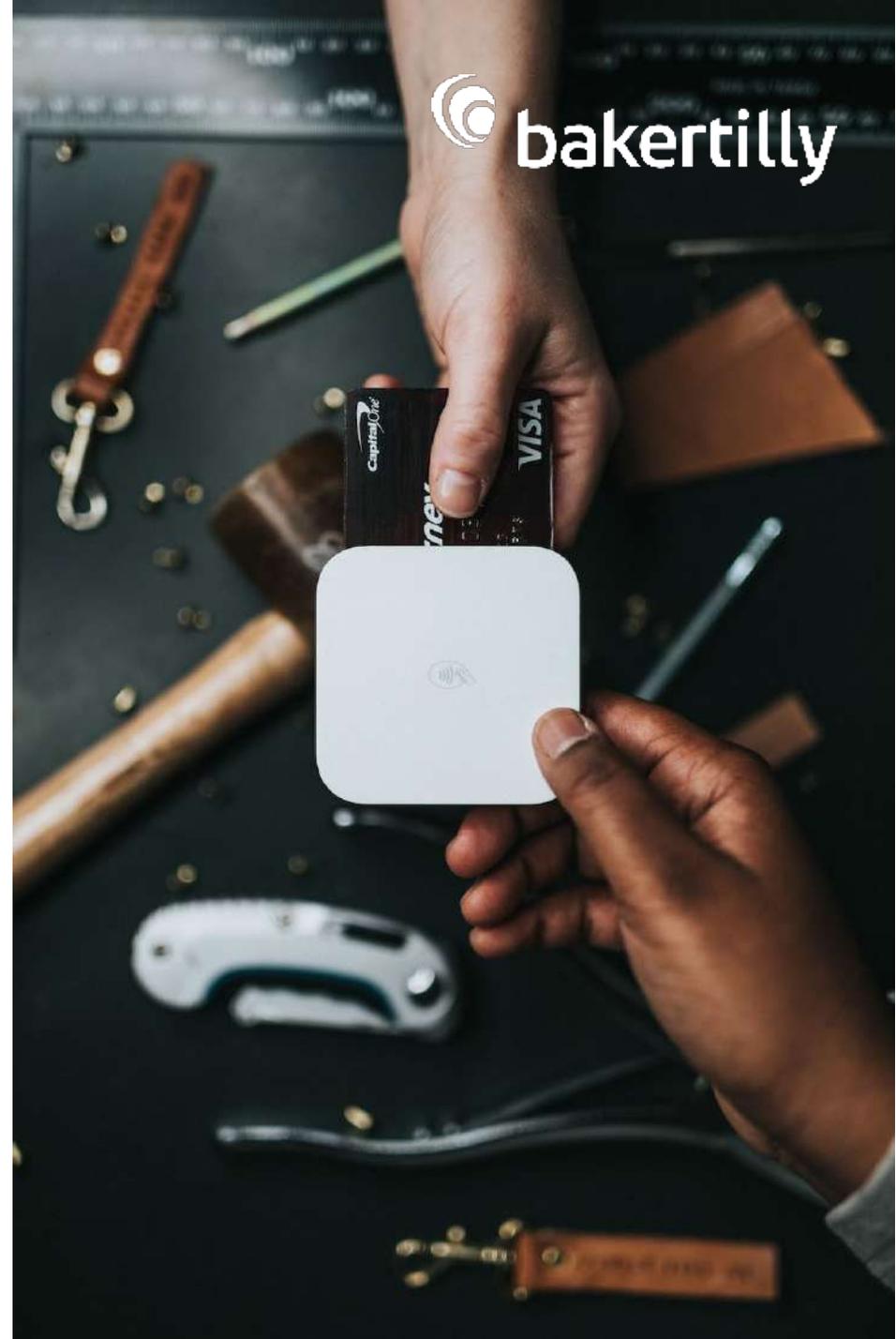
AI is transforming CEA by providing automated insights, predictive analytics, and personalized recommendations. AI-powered tools can analyze vast amounts of customer data in real-time, enabling businesses to identify trends, patterns, and customer preferences.

2. Omnichannel insights and unified customer profiles

CEA is moving beyond siloed data analysis to provide a holistic view of customer interactions across all touchpoints. Businesses are investing in unified data platforms and analytics tools to create a unified customer profile, enabling them to deliver a consistent and seamless customer experience.

3. Predictive analytics for customer churn and advocacy

Predictive analytics is being used to identify potential customer churn and proactively address customer pain points. Businesses can use CEA to predict which customers are at risk of churn, enabling them to take action to prevent customer loss and foster customer loyalty.



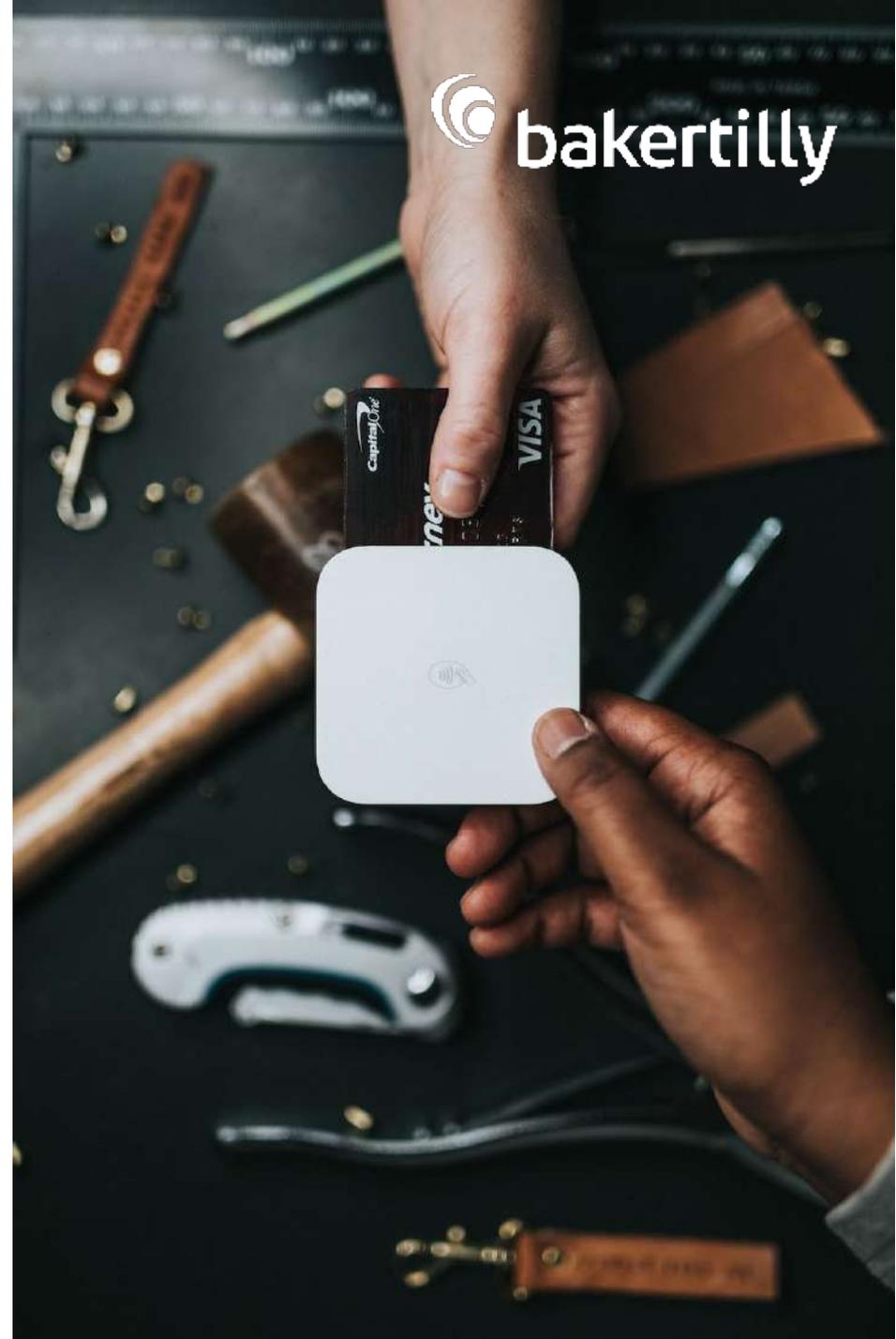
Customer Experience Analytics



Salesforce's acquisition of **Tableau** exemplifies the growing importance of CEA and the potential of data visualization to enhance customer insights. Tableau is a leading data visualization platform that enables businesses to create interactive dashboards and reports, making CEA more accessible and actionable. Salesforce's acquisition of Tableau signals the company's commitment to data-driven decision-making and its belief in the power of CEA to drive business growth.

Salesforce's M&A strategy for integrating Tableau involved several key steps:

- **Integration of Data Visualization Capabilities:** Salesforce integrated Tableau's data visualization tools into its CRM platform, enabling businesses to visualize customer data and gain insights from their customer interactions.
- **Enhance Customer Experience Solutions:** Salesforce developed new customer experience solutions that combined Tableau's data visualization with Salesforce's CRM data, providing businesses with a comprehensive view of customer interactions.
- **Expand Data Analytics Platform:** Salesforce expanded its data analytics platform by incorporating Tableau's data visualization tools, making it a more powerful and user-friendly platform for businesses of all sizes.





External Data



In the analytics landscape, businesses are increasingly recognizing the value of external data to **gain insights, enhance decision-making, and drive growth**. Leveraging external data encompasses the process of incorporating data from sources outside of a company's own data ecosystem, such as publicly available data, social media data, and industry data.

1. Data aggregation and curation

Businesses are investing in tools and technologies to aggregate and curate external data from a variety of sources. This involves **cleaning, normalizing, and standardizing** data to make it usable for analysis and insights generation.

2. Data enrichment and integration

Businesses are enriching their internal data with external data to gain a more holistic and comprehensive view of their customers, markets, and operations. This integration allows businesses to **uncover hidden patterns and trends** that would be difficult to identify with internal data alone.

3. Data-driven decision-making and innovation

Businesses are leveraging external data to inform their decision-making processes across various functions, such as marketing, sales, product development, and customer service. This data-driven approach is leading to **new opportunities** for innovation and competitive advantage.



Open Data



Open data, the freely available and publicly accessible data collected by governments, organizations, and individuals, has emerged as a transformative force, revolutionizing industries and driving innovation across the globe.

Open data is defined as information that is **publicly available, free of charge, and accessible to anyone**. It can be in various formats, including text, images, audio, and video. Open data has numerous benefits, including:

1. Transparency and accountability

Open data can help to increase transparency and accountability of governments and organizations.

2. Innovation

Open data can be used to develop new products, services, and solutions.

3. Economic growth.

Open data can help to stimulate economic growth by providing new opportunities for businesses and entrepreneurs.

4. Social progress.

Open data can be used to address societal challenges, such as poverty, education, and health.



External Data



In 2023, **Coface**, a global leader in trade credit insurance and supply chain finance, acquired **Rel8ed**, a leading provider of business data analytics. This acquisition marked a significant strategic move for Coface to expand its data-driven risk management capabilities and strengthen its position in the evolving trade finance landscape.

Coface's M&A strategy for integrating Rel8ed involved several key steps:

- **Integration of Rel8ed Data Intelligence Platform:** Coface integrated Rel8ed's data intelligence platform into its trade finance solutions, providing businesses with a unified risk assessment experience.
- **Development of Specialized Data-Driven Risk Solutions:** Coface developed specialized data-driven risk solutions for specific industries and use cases, leveraging Rel8ed's expertise to address the unique needs of different business domains.
- **Talent Acquisition and Retention:** Coface committed resources to secure and keep the skilled workforce of Rel8ed, guaranteeing the company's innovation and expertise would continue to be a crucial asset.

Augmented Working

In the dynamic world of work, businesses are constantly seeking innovative ways to enhance productivity, streamline operations, and foster employee engagement. One emerging trend that is gaining traction is augmented working, which **leverages technology to augment human capabilities and optimize the work experience**. Augmented working encompasses a range of technologies that integrate seamlessly with the human workforce, empowering individuals to perform tasks more effectively, efficiently, and creatively. These technologies include wearables, virtual reality (VR), augmented reality (AR), and artificial intelligence (AI).

1. AI-powered tools for task automation

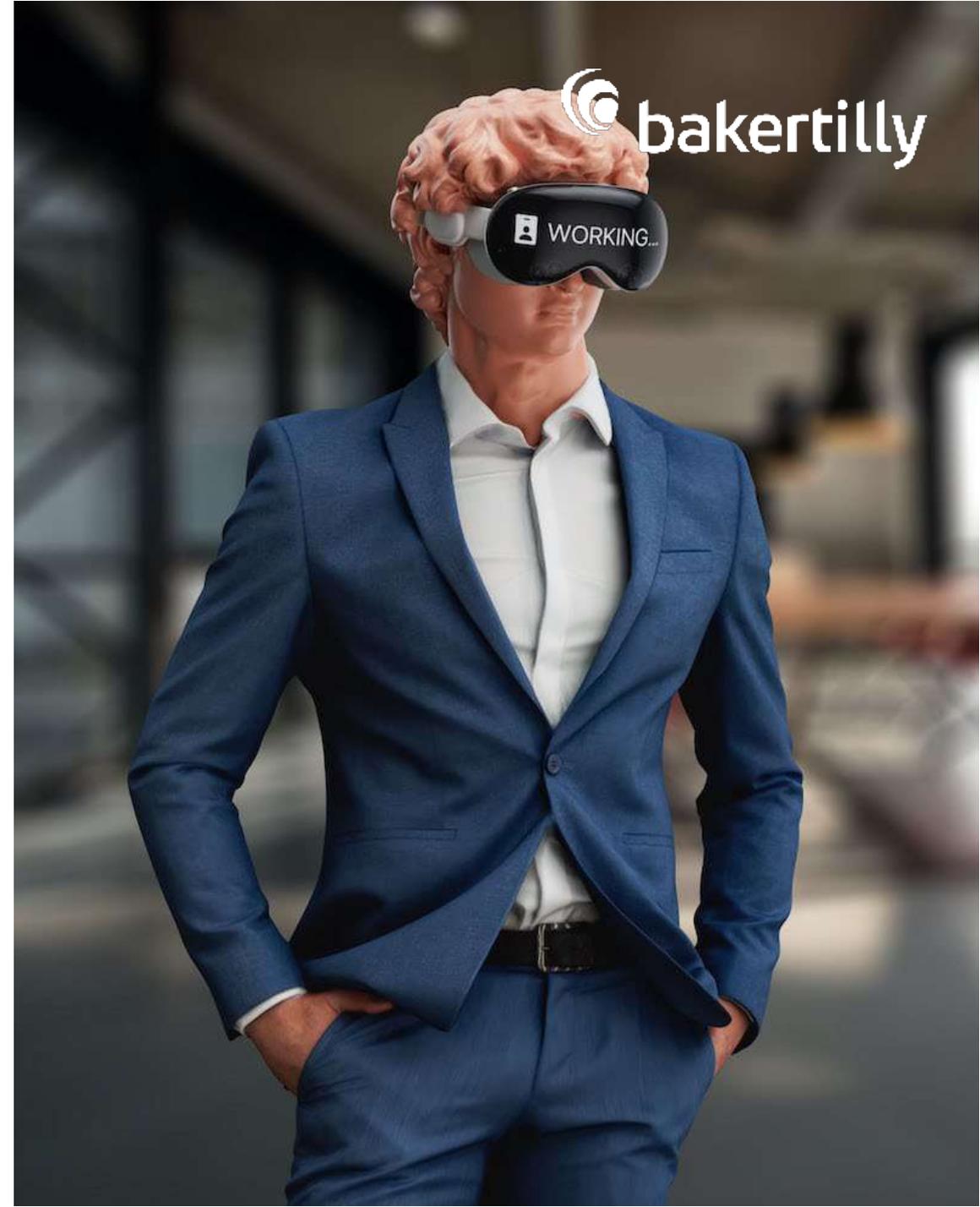
AI is automating routine tasks, freeing up human workers to focus on more strategic and value-added activities. AI-powered tools are enabling workers to **automate repetitive tasks, generate insights from data, and make informed decisions**.

2. Wearables and VR for remote work and collaboration

Wearable devices and VR platforms are enabling **remote collaboration and enhanced communication**. This technology is breaking down geographical barriers and fostering real-time collaboration among distributed teams.

3. AR for contextual guidance and assistance

AR is providing **real-time** guidance and assistance to workers. AR overlays digital information onto the physical world, providing guidance, instructions, and contextual information for tasks.



Augmented Working



Google's funding of **Magic Leap** exemplifies the growing importance of augmented working and the potential of AR in the workplace. Magic Leap's technology aims to create immersive AR experiences for both consumers and businesses. Google's acquisition of Magic Leap signals the company's commitment to augmented reality and its potential to transform the workplace.

Google's M&A strategy for integrating Magic Leap involved several key steps:

- **Integration of Technology and Teams:** Google integrated Magic Leap's technology and team into its own AR development efforts. This involved bringing Magic Leap's engineers and developers into Google's offices, and it also involved sharing knowledge and expertise between the two teams.
- **Focus on Enterprise Applications:** Google focused on developing AR applications for businesses. This included developing tools for training, collaboration, and customer service.
- **Collaboration with Industry Partners:** Google collaborated with other companies to develop and promote AR solutions. This included partnerships with software companies, hardware manufacturers, and telecommunications providers.





AI, ML & Data Analytics
MARKET FUNDING

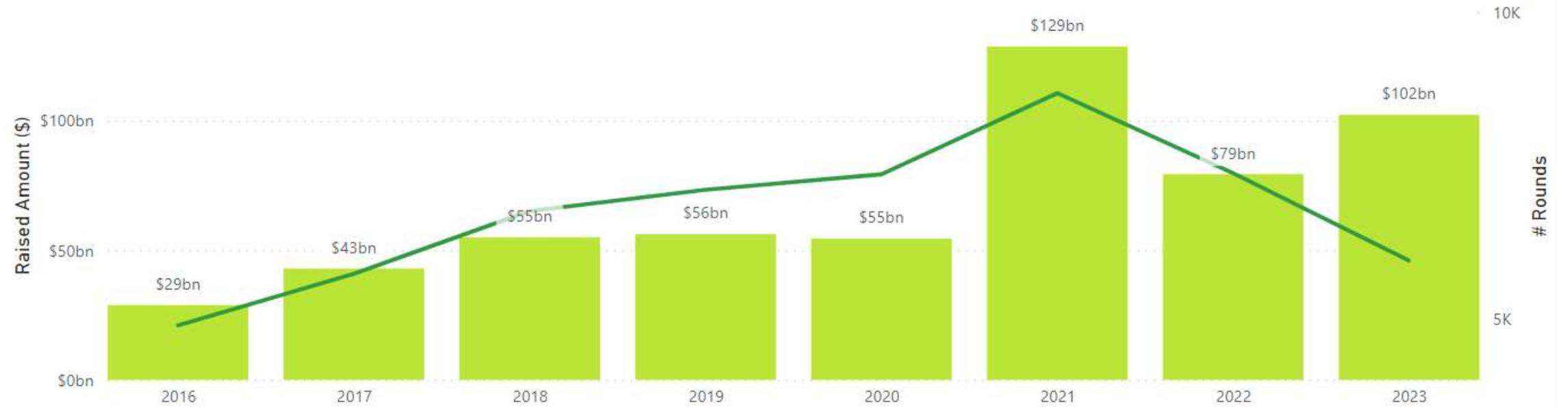
Baker Tilly Report

Global Funding



Funding Amount and Rounds by Year

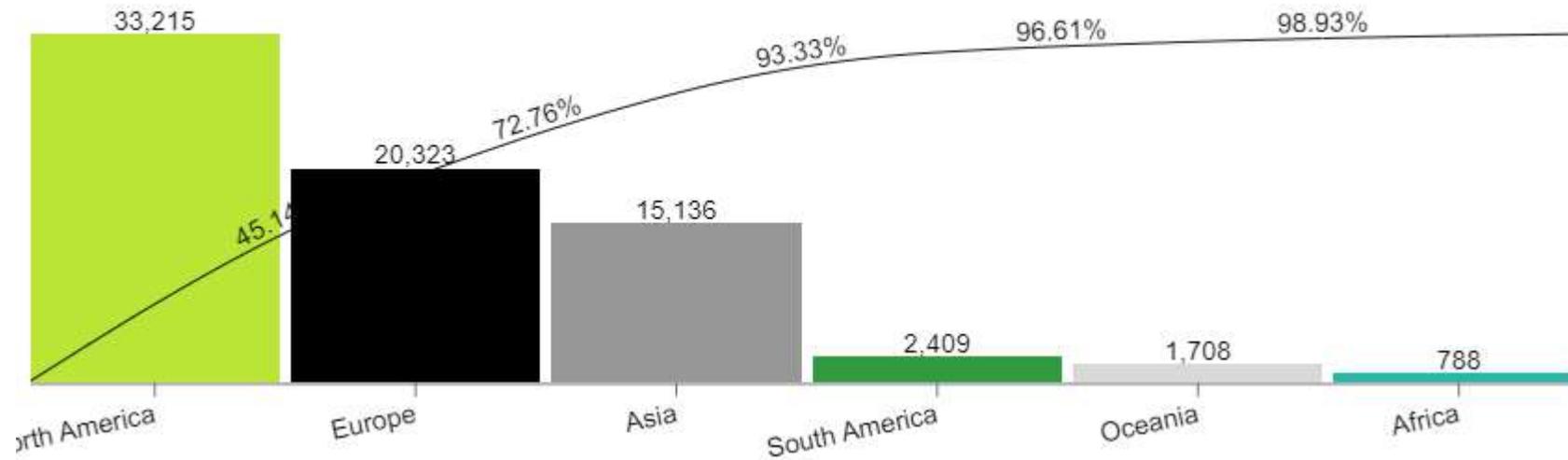
● Raised Amount (\$) ● # Rounds



Source Crunchbase.

Global Funding by Geography

Pareto Diagram - 80/20 Rule - By #Companies



Top Countries by Funding

| Country | Money Raised (\$) |
|-----------------|-------------------|
| United States | \$386,847M |
| China | \$71,768M |
| United Kingdom | \$23,094M |
| Israel | \$14,087M |
| Germany | \$13,754M |
| Canada | \$12,330M |
| France | \$9,993M |
| India | \$8,275M |
| Singapore | \$6,649M |
| Japan | \$5,408M |
| South Korea | \$3,814M |
| Hong Kong | \$3,489M |
| Ireland | \$2,907M |
| Switzerland | \$2,384M |
| Australia | \$2,260M |
| Finland | \$1,779M |
| The Netherlands | \$1,732M |
| Sweden | \$1,434M |
| Spain | \$1,324M |
| Brazil | \$1,091M |
| Italy | \$520M |
| Poland | \$426M |

Source Crunchbase.

Global Funding by Sectors

| Category Name | # Companies | # Funding Rounds | Total Funding (\$) |
|------------------------------|-------------|------------------|--------------------|
| Artificial Intelligence (AI) | 40169 | 40566 | \$410.30bn |
| Software | 28111 | 27232 | \$241.18bn |
| Analytics | 37508 | 24842 | \$229.54bn |
| Machine Learning | 19213 | 23156 | \$239.14bn |
| Information Technology | 20843 | 12771 | \$134.17bn |
| SaaS | 6544 | 10421 | \$79.87bn |
| Big Data | 7837 | 8866 | \$67.74bn |
| Health Care | 4526 | 6309 | \$45.77bn |
| Enterprise Software | 2530 | 5036 | \$62.56bn |
| Predictive Analytics | 3393 | 4676 | \$28.94bn |
| Internet of Things | 2887 | 3118 | \$13.63bn |
| Internet | 3355 | 3104 | \$17.56bn |
| FinTech | 2233 | 3065 | \$30.89bn |
| Robotics | 2264 | 2953 | \$48.29bn |
| Business Intelligence | 3874 | 2835 | \$28.88bn |
| Advertising | 3508 | 2570 | \$18.55bn |
| E-Commerce | 2205 | 2523 | \$18.83bn |
| Computer Vision | 1406 | 2477 | \$15.36bn |
| Financial Services | 2705 | 2458 | \$28.00bn |
| Natural Language Processing | 1607 | 2267 | \$46.17bn |
| Mobile | 1411 | 2236 | \$14.93bn |
| Biotechnology | 1399 | 2133 | \$25.52bn |

Source Crunchbase.

***Note:**

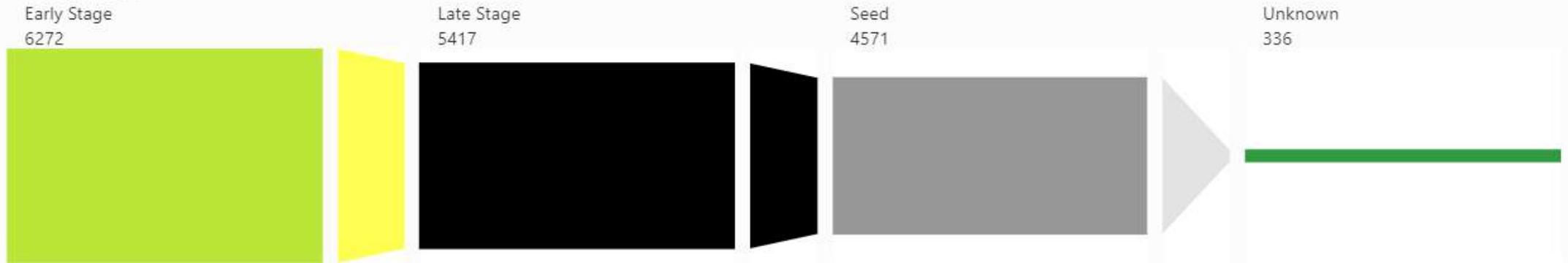
The table shows the distribution of **AI, ML and Data Analytics** companies segmented by different sectors or categories. It should be noted that a company may also be in one or more other categories.

Global Funding Funnel



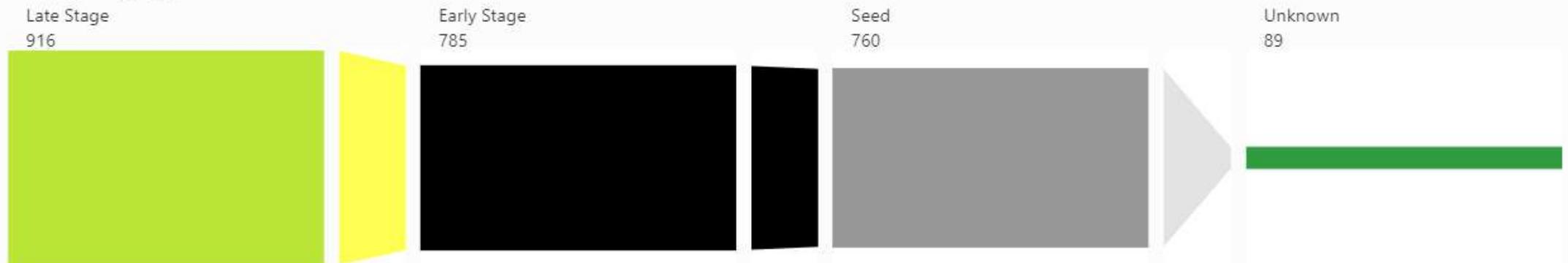
Funding Funnel: # Rounds by Funding Stage [2018-2022]

Funding Stage (?)



Funding Funnel: # Rounds by Funding Stage 2023

Funding Stage (?)



Source Crunchbase.

AI, ML & Data Analytics
M&A

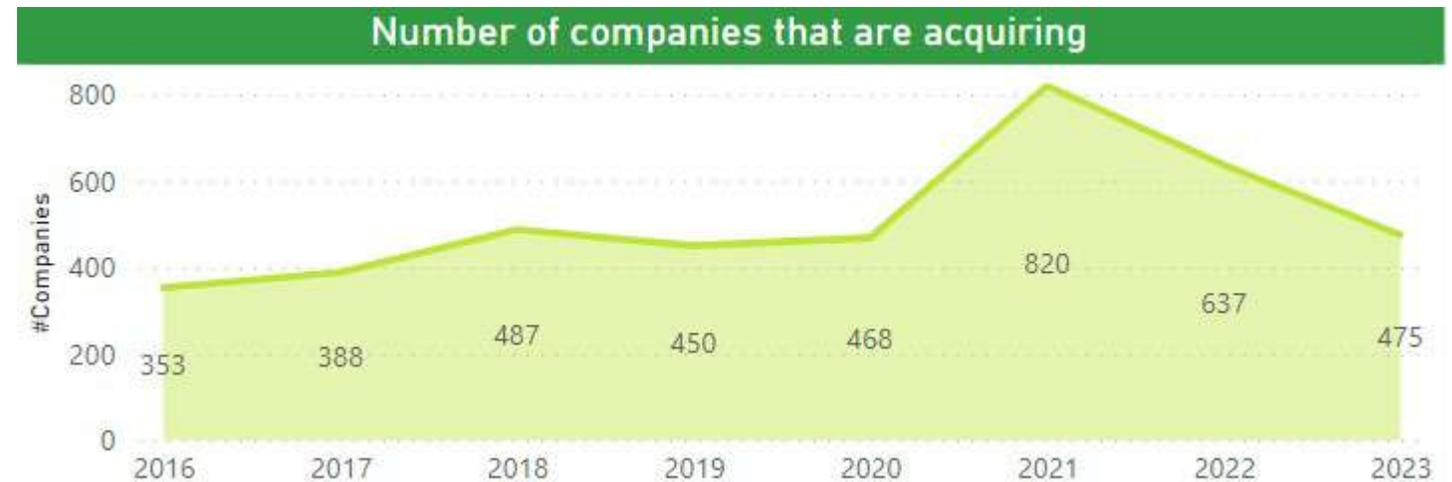
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Global Acquisitions



Number of companies in the **AI, ML and Data Analytics** sector that have been acquired by other companies (in the sector or not) in the last years.

Number of companies in the **AI, ML and Data Analytics** sector that have bought from other companies (in the sector or not) in the last years.

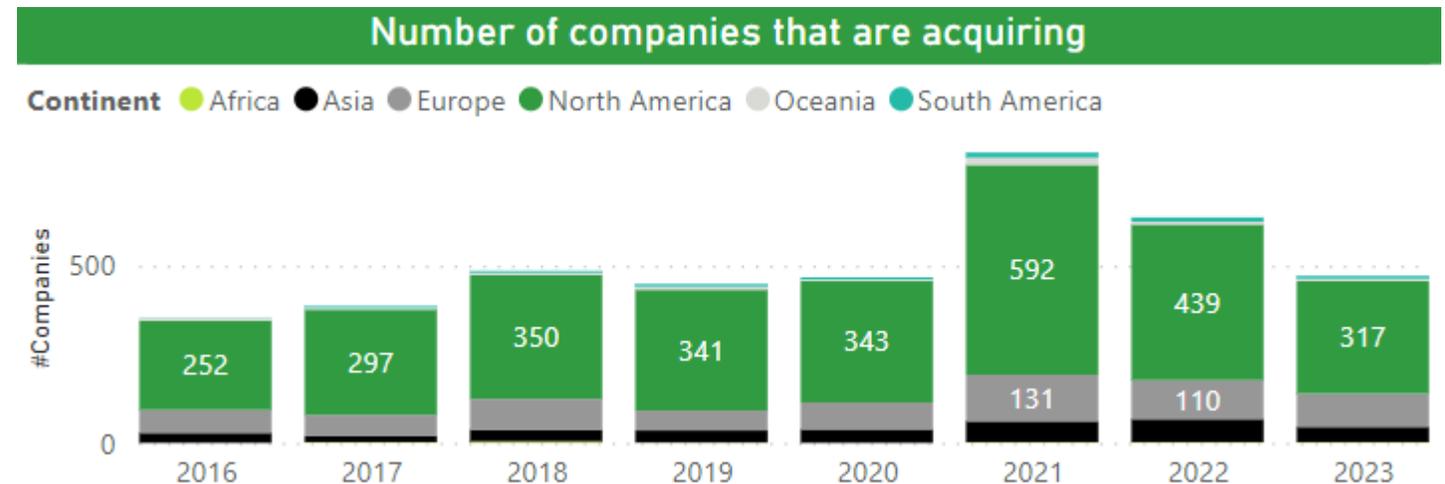


Source Crunchbase.

Global Acquisitions by Geography



Number of companies in the **AI, ML and Data Analytics** sector that have been acquired by other companies (in the sector or not) in the last years by continent.



Number of companies in the **AI, ML and Data Analytics** sector that have bought from other companies (in the sector or not) in the last years by continent.

Source Crunchbase.

Global Acquisitions by Sectors

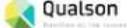
| Category Name | # Companies | # Acquisitions |
|------------------------------|-------------|----------------|
| Analytics | 37508 | 3975 |
| Software | 28111 | 2550 |
| Artificial Intelligence (AI) | 40169 | 2005 |
| Machine Learning | 19213 | 1391 |
| Information Technology | 20843 | 1333 |
| Big Data | 7837 | 850 |
| SaaS | 6544 | 802 |
| Enterprise Software | 2530 | 531 |
| Advertising | 3508 | 481 |
| Predictive Analytics | 3393 | 395 |
| Consulting | 8008 | 364 |
| Marketing | 3386 | 357 |
| Business Intelligence | 3874 | 356 |
| Health Care | 4526 | 355 |
| Internet | 3355 | 354 |
| Information Services | 2383 | 314 |
| Mobile | 1411 | 255 |
| Financial Services | 2705 | 253 |
| E-Commerce | 2205 | 207 |
| Data Visualization | 1796 | 192 |
| Social Media | 1274 | 169 |
| Computer | 1163 | 165 |

Source Crunchbase.

***Note:**

The table shows the distribution companies segmented by different sectors or categories. It should be noted that a company, in addition to being categorized as **AI, ML and Analytics**, may also be in one or more other categories. #Acquisitions show the number of companies bought during the whole time.

Latest Acquisitions

| Date | Logo | Acquiree | Acquiree Description | Founded on | Acquiree Location | Logo | Acquirer | Acquirer Description | Acquirer Founded Date | Value |
|------------|---|---------------------------|---|------------|-------------------|---|-----------------------------------|--|-----------------------|-------|
| 2024-01-01 |  | DynaView | DynaView is an integrated 3D modeling and monitoring platform. | 2013-01-01 | United States |  | Scientific Drilling International | An independent directional drilling and wellbore navigation, surveying and logging service company serving customers worldwide. | 1969-01-01 | |
| 2023-12-31 |  | UserWay | UserWay is a pioneer in innovative AI-Powered website accessibility technologies. | 2015-01-01 | United States |  | Level Access | Level Access provides digital accessibility compliance solutions to address the ADA, WCAG, CVAA, AODA, Mandate 376, and Section 508. | 1999-01-01 | \$10M |
| 2023-12-22 |  | Chemtech Consulting Group | Chemtech is an environmental services company provides equipment, software and automation necessary in the analytical community. | 1967-01-01 | United States |  | Alliance Technical Group | Alliance Technical Group is the provider of air emissions testing and monitoring solutions to customers throughout the United States. | 2000-01-01 | |
| 2023-12-22 |  | Indium Software | Indium Software is a provider of Digital Engineering solutions. Expertise in Cloud & Application Engineering, Analytics and Gaming. | 1999-01-01 | United States |  | EQT | EQT is an investment organization that offers consistent performance across geographies, sectors, and investment strategies. | 1994-01-01 | |
| 2023-12-22 |  | CrossEngage | CrossEngage is a customer data & engagement platform that combines a CDP with cross-channel campaign management capabilities. | 2015-07-01 | Germany |  | Spotler Group | Spotler Group is a family of European vendors that give ambitious marketers and customer service professionals . | 2016-01-01 | |
| 2023-12-21 |  | Fotomerchant | Fotomerchant is a software platform integrating studio photography workflows from capture to sale through AI-powered automation. | 2008-03-01 | Australia |  | ImageQuix | ImageQuix engages in workflow and ecommerce solutions for high volume professional photography studios. | 1997-01-01 | |
| 2023-12-21 |  | Qualson | Qualson develops mobile language learning services has succeeded in receiving funding from Samsung SDS, POSCO Capital. | 2012-06-18 | South Korea |  | Riiid | Riiid is an AI Tutor solution provider delivering creative disruption to the education market through its cutting-edge AI technology. | 2014-05-08 | |
| 2023-12-21 |  | Chartr | Chartr is a free visual newsletter that provides data-driven insights on business, technology, entertainment, and society. | 2018-01-01 | United Kingdom |  | Robinhood | Robinhood is a stock brokerage that allows customers to buy and sell stocks, options, ETFs, and cryptocurrencies with zero commission. | 2013-01-01 | |

AI, ML & Data Analytics IPOs

Baker Tilly Report

Latest IPOs

| Logo | Went Public on | Amount Raised (\$) | Company | Description | Founded Date | # Acquisitions | Country | Listed Stock Symbol | Valuation (\$) |
|---|----------------|--------------------|-------------------|---|--------------|----------------|---------------|---------------------|----------------|
|  | 2023-12-29 | 128.03M | UBTech Robotics | UBTech Robotics is as an artificial intelligence and humanoid robotic company. | 2012-01-01 | | China | hkg | \$4.20bn |
|  | 2023-09-22 | 5.00M | Turbo Energy | Turbo Energy is a manufacturing company that develops AI-based photovoltaic products including EV chargers. | 2013-01-01 | | Spain | nasdaq | |
|  | 2023-09-20 | 576.00M | Klaviyo | Klaviyo is an automation and email platform designed to help grow businesses. | 2012-01-01 | 1 | United States | nyse | \$9.47bn |
|  | 2023-07-28 | | SOPHIA GENETICS | SOPHIA GENETICS is a biotechnology firm that aims to support healthcare professionals by maximizing the power of data-driven medicine. | 2011-01-01 | 1 | United States | fra | |
|  | 2023-07-27 | | Loadzpro | Loadzpro is a On Demand Trucking App connecting shippers of heavy items to reviewed Transportation Providers Domestically & Internationally | 2021-01-01 | | United States | | \$0.01bn |
|  | 2023-06-29 | | Upstart | Upstart (NASDAQ: UPST) is a leading AI lending marketplace partnering with banks and credit unions to expand access to affordable credit. | 2012-04-01 | 1 | United States | cve | |
|  | 2023-03-24 | 567.70M | Intellifusion | Intellifusion develops a vision processor for purposes such as public safety, supercomputing, and AI. | 2014-01-01 | | China | sse | \$1.00bn |
|  | 2023-03-24 | 100.00M | Near Intelligence | Near is a full-stack data intelligence SaaS platform that curates one of the world's largest sources of intelligence on people and places. | 2012-11-01 | 2 | United States | nasdaq | |

UBTECH

On December 29, 2023, **UBTECH Robotics** made its much-anticipated public debut on the Hong Kong Stock Exchange. This landmark event marked a significant milestone in the company's journey to become a global leader in the robotics industry. The IPO generated substantial funding for UBTECH, which it plans to utilize to accelerate its expansion plans and enhance its product development capabilities.

UBTECH Robotics is a leading innovator in the robotics industry, specializing in developing advanced humanoid robots, educational robots, and smart home robots. The company has garnered global recognition for its cutting-edge robotics solutions, which have attracted a wide range of users, including children, educators, and businesses.

The IPO provided UBTECH Robotics with a substantial boost in capital, enabling it to pursue its ambitious growth strategies. The company plans to expand its product portfolio, invest in research and development, and strengthen its global market presence. These initiatives will further solidify UBTECH's position as a key player in the robotics industry.

Innovation

Founded Companies by Categories

| Category | # Companies |
|------------------------------|-------------|
| Artificial Intelligence (AI) | 9252 |
| Software | 4763 |
| Machine Learning | 3431 |
| Analytics | 2999 |
| Information Technology | 2834 |
| SaaS | 1539 |
| Health Care | 824 |
| Consulting | 679 |
| Big Data | 593 |
| FinTech | 489 |
| Predictive Analytics | 480 |
| Business Intelligence | 479 |
| Blockchain | 443 |
| Internet | 422 |

Angel and Seed rounds by Categories

| Category | # Rounds |
|------------------------------|----------|
| Artificial Intelligence (AI) | 13978 |
| Software | 7690 |
| Machine Learning | 6949 |
| Analytics | 4206 |
| Information Technology | 3677 |
| SaaS | 2701 |
| Health Care | 1956 |
| Big Data | 1385 |
| Predictive Analytics | 1115 |
| FinTech | 911 |
| Computer Vision | 833 |
| Robotics | 789 |
| Natural Language Processing | 711 |
| Enterprise Software | 690 |

The innovation stage represents a formative period in which ideas are transformed into viable businesses. **Early investment rounds** serve as catalysts during this stage, providing the financial fuel needed to turn innovative concepts into reality and set the foundation for future growth and success.

Artificial Intelligence, Machine Learning, and Predictive Analytics companies play a fundamental role in technological innovation and development. These companies offer solutions and applications that range from data management to the implementation of complex processes.

The **Healthcare and Consulting** sectors should be highlighted, as they are not in the technological industry but still have presence in these tables.

Source Crunchbase.

Innovation

Last Founded Companies

| Founded on | Company | Description |
|------------|--------------------------|--|
| 2024-01-01 | Fusor.ai | Artificial Intelligence, Machine Learning, Infrastructure |
| 2023-12-26 | Hire Base | The Best Drag & Drop AI for Vacancy & Resume Matching for Recruiters and HR professionals. |
| 2023-12-26 | Sparkyai private limited | Sparkyai offers an AI agricultural tool that is designed to empower farmers with modern agricultural knowledge. |
| 2023-12-14 | cyber•Fund | cyber•Fund is backing the founders at the frontier to help catalyze the inevitable emergence of the cybernetic world |
| 2023-12-14 | Smarthink AI | Artificial Intelligence Company |
| 2023-12-12 | Deepdock | Maritime and Defence, Defense Industry incl. Artificial Intelligence advanced autonomous docking systems for submarines & surface vessels. |

Top Seed and Angel rounds since 2020

| Announced on | Money Raised (\$) | Company | Description |
|--------------|-------------------|----------------------|--|
| 2021-10-01 | \$950M | MindDust Labs | MindDust Labs provides specialized consulting and recruiting to help businesses grow. |
| 2021-09-01 | \$750M | MindDust Labs | MindDust Labs provides specialized consulting and recruiting to help businesses grow. |
| 2023-12-05 | \$135M | xAI | xAI is an AI company that seeks to understand the true nature of the universe. |
| 2023-04-28 | \$123M | Concordia University | Concordia University is a school. |
| 2023-06-13 | \$113M | Mistral AI | Mistral AI is a developer of an open-source platform that assembles team to develop the generative AI models. |
| 2022-04-12 | \$100M | Ascertain | Ascertain develops healthcare AI companies that improve quality and access to care and close health equity gaps. |

Source Crunchbase.



On January 1, 2024, **Fusor.AI** officially launched its operations with a mission to revolutionize the way individuals work, learn, and live by optimizing their posture and movement patterns.

Fusur.AI's core product is a groundbreaking sit-stand workstation that seamlessly integrates AI and advanced sensors to provide individuals with personalized ergonomics solutions. The workstation continuously monitors the user's posture, activity level, and environmental factors, providing real-time feedback and adjustments to promote optimal alignment and support.



On October 1, 2021, Minddust Labs, a company developing artificial intelligence (AI)-powered cognitive computing platforms, successfully secured a seed/angel round of funding. This investment is expected to help Minddust Labs accelerate its research and development efforts, expand its team, and prepare for future rounds of funding.

This funding is a significant milestone for Minddust Labs, as it validates the company's technology and its potential to revolutionize the way businesses use AI. The investment will enable Minddust Labs to further develop its AI-powered cognitive computing platforms, which are expected to help businesses improve their decision-making, optimize their operations, and gain a competitive edge.

Growth

VC rounds by Categories since 2020

| Category | # Rounds |
|------------------------------|-------------|
| Artificial Intelligence (AI) | 5006 |
| Software | 2879 |
| Machine Learning | 2770 |
| Analytics | 2074 |
| Information Technology | 1411 |
| SaaS | 1062 |
| Big Data | 826 |
| Health Care | 706 |
| Robotics | 463 |
| Enterprise Software | 437 |
| FinTech | 418 |
| Predictive Analytics | 418 |
| Financial Services | 349 |
| Biotechnology | 318 |
| Total | 6834 |

The growth stage marks a period of rapid expansion and increasing market influence for businesses. It is characterized by a strategic focus on scaling operations, **capturing market share**, and optimizing profitability, with corresponding investment strategies aimed at supporting these objectives.

Based on the data provided, **AI, Machine Learning and Robotics** stand out, exhibiting noteworthy relevance in terms of their overall percentage share. As we delve further into the stages where Venture Capital plays a more pronounced role, a notable emphasis is observed on IT companies with a software-centric focus, aligning with the earlier mentioned industry trends.

It is worth highlighting the **Healthcare** sector, which, although not belonging to the technological landscape, continues to show promise and remains an intriguing area of interest.

Source Crunchbase.

Growth



On January 23, 2023, **OpenAI** announced a massive venture capital investment round, aiming to bolster its research and development capabilities and solidify its position as a leader in the artificial intelligence (AI) industry. This significant investment reflects OpenAI's commitment to innovation and its ambition to expand its addressable market in the AI segment.

The investment will be directed towards research projects, talent acquisition, and infrastructure development. This expansion will enhance OpenAI's ability to conduct cutting-edge research in AI, attract top talent, and build the infrastructure needed to support its growing community of researchers and developers.

OpenAI's VC round signals the company's aggressive approach to AI dominance, highlighting its willingness to invest heavily in its future growth. With this investment, OpenAI aims to further accelerate its innovation in AI, solidifying its position as a frontrunner in this rapidly evolving field.

Source Crunchbase.

Top VC rounds since 2020

| Announced on | Money Raised (\$) | Company | Description | Country |
|--------------|-------------------|------------|--|---------------|
| 2023-01-23 | \$10,000M | OpenAi | OpenAI is an AI research and deployment company that conducts research and implements machine learning. | United States |
| 2021-06-15 | \$5,000M | Cruise | Cruise builds self-driving vehicles that safely connect people to places, things, and experiences they care about. | United States |
| 2023-04-07 | \$5,000M | TipRanks | TipRanks is a financial accountability platform that ranks financial advice to assess its accuracy. | Chile |
| 2023-09-25 | \$4,000M | Anthropic | Anthropic is an AI safety and research company that focuses on increasing the safety of large-scale AI systems. | United States |
| 2021-08-31 | \$3,200M | Databricks | Databricks is an AI cloud data platform that interacts with corporate information stored in the public cloud. | United States |
| 2023-10-05 | \$2,750M | Metropolis | Metropolis is an AI and computer vision start-up built to modernize parking and empower the future of mobility. | United States |
| 2023-08-03 | \$2,300M | CoreWeave | CoreWeave is a cloud provider of large-scale GPU-accelerated workloads. | United States |

Consolidation

Acquired Organization's Categories since 2020

| Category | # Companies |
|------------------------------|-------------|
| Analytics | 1568 |
| Artificial Intelligence (AI) | 1330 |
| Software | 1241 |
| Machine Learning | 858 |
| Information Technology | 705 |
| SaaS | 421 |
| Big Data | 367 |
| Health Care | 200 |
| Enterprise Software | 199 |
| Predictive Analytics | 184 |
| Marketing | 177 |
| Information Services | 170 |
| Advertising | 168 |

Private Equity rounds since 2020

| Category | # Rounds |
|------------------------------|----------|
| Artificial Intelligence (AI) | 946 |
| Software | 601 |
| Analytics | 538 |
| Machine Learning | 484 |
| Information Technology | 310 |
| SaaS | 222 |
| Big Data | 180 |
| Health Care | 139 |
| FinTech | 113 |
| Financial Services | 97 |
| Predictive Analytics | 92 |
| Enterprise Software | 87 |
| Robotics | 75 |
| Business Intelligence | 71 |
| E-Commerce | 71 |

The consolidation stage represents a transition toward a **more mature and strategic approach** to business management, where the company seeks to **maintain and enhance its market position** after a period of rapid growth.

As we transition into the more mature stages of investment rounds, it becomes evident that there is a notable continuity in the interest shown towards **Software, Artificial Intelligence and Analytics** companies, albeit at a slightly reduced scale compared to the growth stages. It is essential to emphasize that despite the relatively diminished investment focus during this phase, these companies have typically solidified their positions and exhibit heightened financial stability.

Consolidation



On April 7, 2023, **TipRanks**, a company that provides financial research and data to institutional and retail investors, announced that it had raised \$225 million in a Series F funding round. The round was led by Tiger Global Management, with participation from Insight Partners, Dragoneer Investment Group, and Altimeter Capital.

TipRanks is a leading provider of financial research and data to institutional and retail investors. The company's platform provides investors with access to real-time insights from over 2 million financial professionals, including investment bankers, sell-side analysts, and hedge fund managers.



On November 30, 2020, **S&P Global**, a leading provider of financial market information and analytics, announced its acquisition of **IHS Markit**, a global information, analytics, and compliance company, in an all-stock transaction valued at approximately \$44 billion. The acquisition was completed on March 31, 2021.

The combination of S&P Global and IHS Markit created a premier provider of information and analytics for businesses, governments, and individuals around the world. The combined company's products and services span a wide range of industries, including financial services, energy, healthcare, and sustainability.

Source Crunchbase.

Top Private Equity Rounds (Last 2 years)

| Announced on | Money Raised (\$) | Company | Description |
|--------------|-------------------|----------|---|
| 2023-09-03 | \$11,140,000,280 | OpenAi | OpenAI is an AI research and deployment company that conducts research and implements machine learning. |
| 2023-01-23 | \$10,000,000,000 | OpenAi | OpenAI is an AI research and deployment company that conducts research and implements machine learning. |
| 2023-04-07 | \$5,000,000,000 | TipRanks | TipRanks is a financial accountability platform that ranks financial advice to assess its accuracy. |

Top Acquisitions since 2020

| Announced on | Acquired Company | Price (\$) | Description |
|--------------|-----------------------|------------|--|
| 2020-11-30 | IHS Markit | \$44,000M | S&P Global acquires IHS Markit on 2020-11-30 for \$44000000000 |
| 2023-09-21 | Splunk | \$28,000M | Cisco acquires Splunk on 2023-09-21 for \$28000000000 |
| 2021-04-12 | Nuance Communications | \$19,700M | Microsoft acquires Nuance Communications on 2021-04-12 for \$19700000000 |
| 2022-05-04 | Black Knight | \$13,100M | IntercontinentalExchange acquires Black Knight on 2022-05-04 for \$13100000000 |
| 2021-01-06 | Change Healthcare | \$13,000M | Optum acquires Change Healthcare on 2021-01-06 for \$13000000000 |

AI, ML & Data Analytics Investments

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Most Active Investors last 3 Years

Venture Capital

| VC | Description | #Investments | #Lead Investments | #Sector Companies | Total Invested | #Acquisitions of Invested | #Funding Rounds | #Investors |
|-------------------------|---|--------------|-------------------|-------------------|----------------|---------------------------|-----------------|------------|
| Techstars | Techstars is a global platform that provides investment and innovation. | 5759 | 3015 | 373 | \$402.09M | 3 | 937 | 900 |
| Tiger Global Management | Tiger Global Management is an investment firm that deploys capital globally in both public and private markets. | 1176 | 702 | 116 | \$17,697.48 M | 75 | 631 | 881 |
| Insight Partners | Insight Partners is a global software investor that partners with high-growth technology, software, and Internet startup companies. | 1039 | 694 | 115 | \$11,246.18 M | 49 | 547 | 813 |
| Plug and Play | Plug and Play is an innovation platform bringing together startups and large corporations. | 1693 | 142 | 112 | \$548.86M | 5 | 373 | 479 |
| Newchip Accelerator | Newchip is a global remote startup accelerator. | 1358 | 28 | 111 | \$31.46M | 1 | 160 | 125 |
| Antler | Antler is the investor backing the world's most driven founders, from day zero to greatness. | 1106 | 608 | 99 | \$132.02M | | 153 | 253 |
| Bossanova Investimentos | Bossa nova investimentos is a brazilian Micro-VC focused on pre-seed stage technology companies. | 1689 | 34 | 86 | \$1,445.20 M | 33 | 364 | 446 |

Private Equity

| PE | Description | #Investments | #Lead Investments | #Sector Companies | Total Invested | #Acquisitions of Invested | #Funding Rounds | #Investors |
|-------------------------|---|--------------|-------------------|-------------------|----------------|---------------------------|-----------------|------------|
| Tiger Global Management | Tiger Global Management is an investment firm that deploys capital globally in both public and private markets. | 1176 | 702 | 116 | \$17,697.48 M | 75 | 631 | 881 |
| Insight Partners | Insight Partners is a global software investor that partners with high-growth technology, software, and Internet startup companies. | 1039 | 694 | 115 | \$11,246.18 M | 49 | 547 | 813 |
| SoftBank Vision Fund | SoftBank Vision Fund specializes in growth capital and social impact investments. | 430 | 318 | 58 | \$14,077.54 M | 65 | 374 | 387 |
| Coatue | Coatue invests in public and private equity markets, focusing on the technology, media, and telecommunications industries. | 424 | 204 | 52 | \$11,553.49 M | 40 | 241 | 534 |
| Intel Ignite | Intel Ignite is a venture capital and private equity firm that help early-stage companies succeed. | 143 | 142 | 46 | | | 135 | 46 |

Source Crunchbase.

Latest Investments

| Funded | Funded Description | Founded Date | Funded Location | Investor | Investor Description | # Investments | Date | Money Raised | Investment Type |
|-----------------|---|--------------|-----------------|----------------------------|--|---------------|------------|--------------|--------------------|
| EVERISE | Everise is a global business process outsourcing and technology company offering customer service solutions for high-growth companies. | 2016-01-01 | Singapore | Warburg Pincus | Warburg Pincus is a private equity firm focused on growth investing. | 465 | 2023-10-03 | | private_equity |
| TriNetX | TriNetX is a health research network that connects drug discovery and development from pharmaceutical companies. | 2013-01-01 | United States | hypra.fund | hypra.fund is a joint venture fund investing and building web3 projects. | 3 | 2023-10-03 | \$10.00M | series_unknown |
| Brand.ai | We are building a modern BrandOS that leverages the cutting edge advancements in artificial intelligence. | 2023-01-01 | United States | Offline Ventures | Offline Ventures is a venture capital and private equity principal services. | 42 | 2023-09-20 | \$1.00M | pre_seed |
| Brillio | Brillio is a technology consulting and technology services company focused on the implementation of digital technologies. | 2014-04-01 | United States | The Orogen Group | The Orogen Group offers data-driven business services solutions and changing customer demands. | 4 | 2023-09-05 | | private_equity |
| Sentar | Sentar is the fastest-growing cyber intelligence, analytics, and operations solutions provider focused on the National Security sector. | 1990-01-01 | United States | US Department of Energy | US Department of Energy is a government administration that regulates energy policy, research, and development. | 573 | 2023-08-17 | | grant |
| Matrixian | Matrixian helps organizations through data and technology to create value for individuals, companies and society. | 2016-04-04 | The Netherlands | Pride Capital Partners | Pride Capital Partners is a specialized private debt company focused on providing mezzanine loans. | 14 | 2023-08-09 | \$1.65M | series_unknown |
| Vispera | Vispera is an image recognition and analytics company providing retailers and suppliers with store and team execution insights. | 2014-02-10 | Turkey | Arya GSYF | Arya GSYF invests in start-ups that create breakthrough apps and technologies. | 5 | 2023-08-08 | \$0.25M | convertible_note |
| DoubleVerify | DoubleVerify is a software platform that specializes in digital media verification and advertising technology. | 2008-01-01 | United States | Providence Equity Partners | Providence Equity Partners is a specialist PE firm focused on growth-oriented media, communications, education and technology companies. | 58 | 2023-08-07 | \$408.13M | post_ipo_secondary |
| iRobot | iRobot is a technology company that designs and builds behavior-based AI robots. | 1990-01-01 | United States | The Carlyle Group | The Carlyle Group is a private equity firm that caters to early and later-stage companies. | 304 | 2023-07-25 | \$200.00M | post_ipo_debt |
| Semantic Health | AI-Powered Concurrent Coding and Auditing Platform | 2019-01-01 | Canada | FedDev | FedDev Ontario aids the southern Ontario economy by supporting innovation, commercialization, business growth, | 134 | 2023-07-24 | | debt_financing |

Source Crunchbase.

About Baker Tilly

Baker Tilly is a leading advisory, tax and assurance firm dedicated to building long-lasting relationships and helping you win now and anticipate tomorrow. We have only one agenda: Yours.



“We describe change as progress because that is exactly what is happening at Baker Tilly. Our fundamental purpose is to enhance and protect our clients’ value”

Francesca Lagerberg– CEO



Bill Chapman - Partner

“Relationships are the foundation of our firm. They are the way we earn the trust of our clients and our teammates”



Now, for tomorrow

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