

TYPES OF APPLICATIONS

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CHAT GPT

- ChatGPT is an AI-powered conversational agent developed by OpenAI. It is based on the GPT (Generative Pre-trained Transformer) architecture and is trained on a vast amount of text data to generate human-like responses to user inputs.
- ChatGPT engages in natural language conversations with users, providing answers to questions, generating text based on prompts, and assisting with various tasks such as writing, brainstorming, and problem-solving.
- ChatGPT is designed to understand and generate human-like text based on the context of the conversation. It does not perform web searches or retrieve information from external sources like a search engine.
- ChatGPT's responses are generated based on patterns and information present in its training data and may not always provide up-to-date or accurate information, especially for real-time queries or specific factual information.

GOOGLE SEARCH ENGINE

- Google Search is a web search engine developed by Google Inc. It is designed to help users find information on the internet by indexing and organizing web pages and other online content.
- Google Search provides users with a list of relevant web pages, documents, images, videos, and other resources in response to their search queries. It uses algorithms and ranking signals to determine the most relevant and authoritative results for each query.
- Google Search retrieves information from a vast index of web pages and other online content, constantly crawling and indexing new information as it becomes available on the web.
- Google Search is optimized for retrieving factual information, answering specific questions, finding relevant resources, and exploring topics of interest. It is widely used for research, information gathering, and navigating the vast amount of content available on the internet.

DIFFERENCE BETWEEN CHAT GPT AND GOOGLE SEARCH ENGINE

Feature	Chat GPT	Google Search Engine
Type	Language Model	Search Engine
Purpose	Generate text and answer questions using natural language	Search the internet and provide relevant results
Knowledge Cutoff	Information up to 2021	Real-time information

Personalization

Session-based personalization, contextual understanding

Result based on user data and history

Response Format

Direct answer and summaries

Links to webpages

Strengths

Generates human-like text; versatile in handling various language generation tasks

Quick, up-to-date information; real-time search results

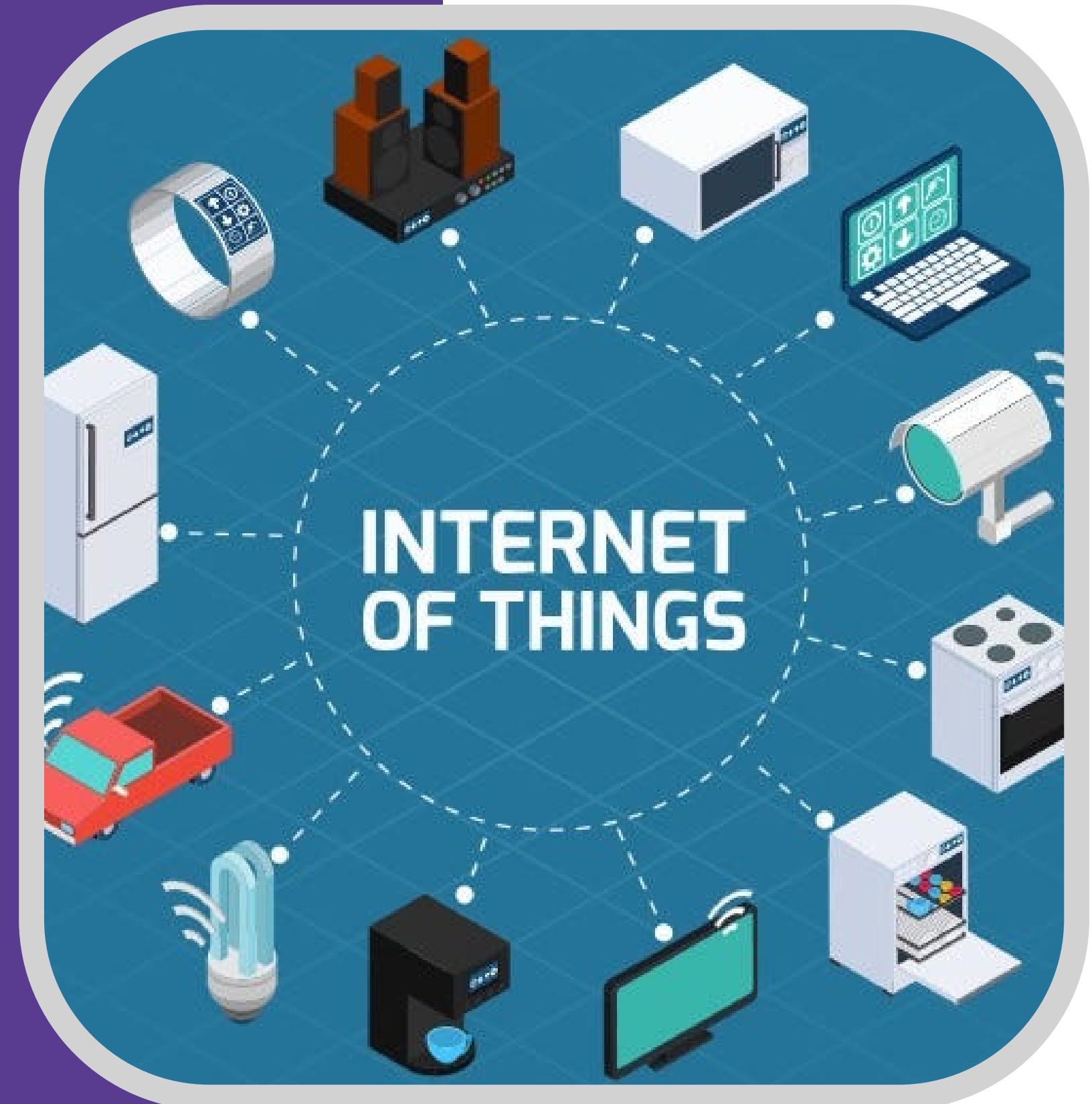
Weaknesses

Relies on a large corpus of data; may have biases in output; not capable of accessing real-time information

May not always capture nuances of human language; not great for specific questions or conversations

INTERNET OF THINGS

The Internet of Things (IoT) refers to a network of interconnected devices, objects, or "things" that communicate and exchange data with each other over the internet. These devices are embedded with sensors, actuators, and other technologies that enable them to collect and transmit data, interact with their environment, and communicate with other devices or systems.



ARTIFICIAL INTELLIGENCE

Artificial Intelligence (AI) refers to the development of computer systems or machines that can perform tasks that typically require human intelligence. These tasks include learning and adapting to new information, understanding human language, recognizing patterns, solving problems, and making decisions. AI can be categorized into two main types: Narrow AI, which is designed to perform a specific task, such as voice recognition or image analysis, and General AI, which has the ability to understand, learn, and apply knowledge across a wide range of tasks at a level equal to or beyond that of a human being. AI is being used in various industries such as healthcare, finance, transportation, and entertainment to automate processes, improve decision making, and enhance customer experiences.



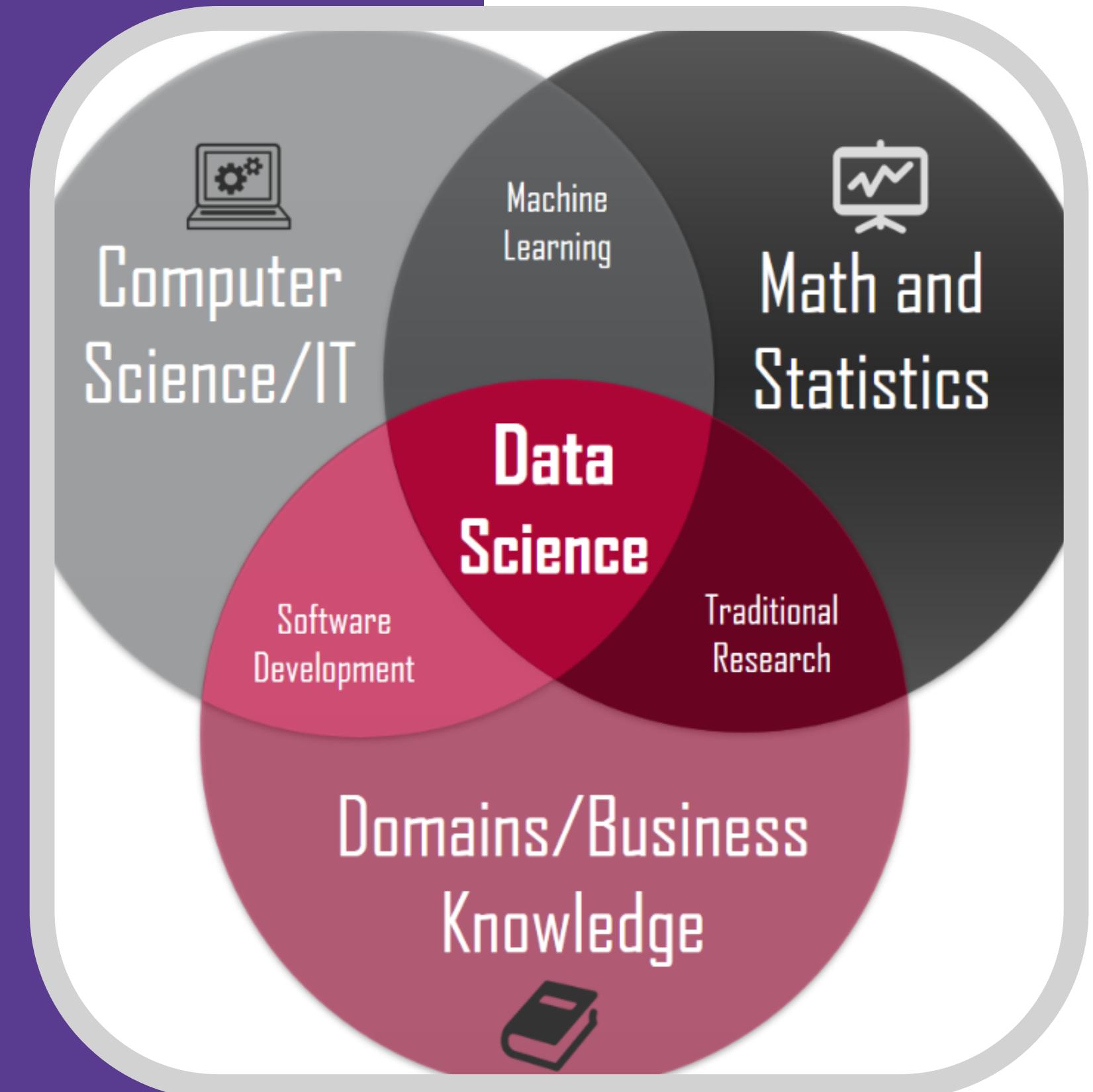
BIG DATA

Big data is a term used to describe the large volume of structured, semi-structured, and unstructured data that organizations collect, analyze, and mine for insights and information. It is often characterized by the three V's: volume, velocity, and variety. Volume refers to the large amount of data, velocity refers to the speed at which the data is generated and processed, and variety refers to the different types of data. Big data is used in machine learning projects, predictive modeling, and other advanced analytics applications. It comes from various sources, including internal systems, external sources, and machine-generated data. It is often stored in data lakes and processed using distributed systems such as Hadoop clusters or cloud object storage services. Big data analytics can provide valuable insights into customer behavior, operations, and other areas, helping organizations to make informed decisions and gain a competitive advantage.



DATA SCIENCE

Data science is a multidisciplinary field that uses scientific methods, processes, algorithms, and systems to extract knowledge and insights from structured and unstructured data. It combines elements of statistics, computer science, and domain expertise to analyze and interpret complex data sets. Data scientists use a variety of techniques, such as machine learning, artificial intelligence, and big data analytics, to identify patterns, trends, and relationships in data. They also use visualization tools to communicate their findings and help stakeholders make informed decisions.



Data science is used in various industries such as healthcare, finance, retail, and manufacturing to solve complex problems, improve decision making, and drive business value. Data scientists are responsible for collecting, cleaning, and preparing data, as well as building and deploying models, and communicating their findings to stakeholders. They need to have a strong understanding of statistics, programming, and data management, as well as domain knowledge in the area they are working on.

Data science is a rapidly evolving field, and data scientists need to stay up-to-date with the latest tools, techniques, and best practices in order to be effective in their roles.





THANK YOU
