



AI Language Buster

Artificial Intelligence (AI) has exploded into our worlds in the past few months; this means we all have new words, ideas, and tools to get to grips with.

For everyone and every business struggling to know what all these new words mean, here's Alcea's AI language buster document.

This is a one-stop shop for AI terminology.

Word/Phrase	Definition
Algorithm	A formula used by AI models to make predictions from stored data
Artificial Intelligence	Computer science where machines can perform tasks usually associated with human mental activities
AI assistant	A chatbot or virtual assistant programmed to understand and respond to human intelligence which can be used to automate repetitive tasks, answer simple questions etc
AI bias	A flaw in the input of algorithms either by biased data input or human societal bias input which then produce prejudiced data



AI Language Buster

Word/Phrase	Definition
AI chatbot	A computer program using AI and natural language processing (NLP) which understands and can respond to customer questions and give an automated response
AI ethics	A moral conduct guide used in the development of AI to uphold standards of right and wrong incorporating human values, principles and techniques
Autonomous machine	A robotic machine which acts on data input and does not require human control
Autocomplete	A feature which can predict text as a suggestion which can then be chosen if required, based on analysis of historical data or an individual language pattern
Bard	Bard is Google's answer to Chat GPT-4 and other LLMs (large language model). It also acts as a supercharged internet search because it pulls from Google search



AI Language Buster

Word/Phrase	Definition
Bots	Are a software application that use text-based programs to automate tasks and seek information. Otherwise known as chatbots
Chatbot	A computer program which simulates conversations with humans online by answering common questions or directing people to resources to solve their needs
ChatGPT	Is a LLM (large language model) programmed to respond to prompts in a chat-like way. The most famous of the LLMs so far and generated the most controversy and media interest because of its seemingly 'limitless' abilities
Conversational AI	A type of artificial intelligence (AI) that can simulate human conversation, made possible by natural language processing (NLP), a field of AI that allows computers to understand and process human language



AI Language Buster

Word/Phrase	Definition
Dall-E	OpenAI's answer to image generation and edits using natural language prompts to make images and artwork based on the language descriptions and prompts written into the tool
Generative AI	A process using prompts to generate text, images or other media in response to the stored data input
GPT	Generative Pre-trained Transformer (GPT) is OpenAI's language model trained on data and trained to answer questions, have human-like conversations and produce content. GPT-4 is the latest and most advanced iteration of GPT
Hallucination	Factually incorrect information produced by Artificial Intelligence

alcea



AI Language Buster

Word/Phrase	Definition
Image recognition	A machine learning process identifying an object or image or video. Used in applications such as medical imagery, security surveillance and defect detection
Large Language Model (LLM)	A type of AI which mimics human intelligence. It is able to predict and generate content from large amounts of stored historical data
Machine Learning	Computer systems that learn from information put into the system and can draw conclusions, inferences, and patterns without explicit instructions
Natural Language Processing (NLP)	A machine learning technology that gives computers the ability to interpret, manipulate and comprehend human language
Natural Language Generation (NLG)	A software process driven by AI that produces natural written or spoken language from stored data to answer a question, complete a task or create content



AI Language Buster

Word/Phrase	Definition
OpenAI	OpenAI is the company behind Chat GPT-4, Dall-E and other AI tools. It's an artificial intelligence research laboratory that's made headlines in recent months
Pattern recognition	A data analysis method using algorithms to automatically recognise patterns in data. Widely used in image processing, for example, license plate recognition, fingerprint analysis, face detection and voice-based authentication
Prompts	An instruction that prompts a model to do something
Prompt engineering	Used in teaching large language models to do anything that is not part of its pre-training

alcea



AI Language Buster

Word/Phrase	Definition
Responsible AI	The practice of designing, developing and deploying AI with good intentions to not perpetuate biases and harmful stereotypes
Tome AI	An advanced platform utilising ChatGPT and Dall-E 2 to create presentations with ease. Used for business presentations, marketing projects and educational uses in interesting and engaging presentations
Training data	Data given to a machine to learn from to complete future tasks
Virtual reality (VR)	A simulated experience that employs pose tracking and 3D near-eye displays to gives the user a feel of virtual reality

alcea