

Comparing OpenAI and ChatGPT



Differences in purpose and user interfaces

OpenAI is a research organization whose primary goal is to develop AI, providing tools for diverse applications.

ChatGPT is developed by OpenAI. Positioned as a chatbot, ChatGPT focuses on delivering lifelike conversational experiences.

Model training methods

OpenAI uses various machine learning methods. The models are trained with both labeled and unlabeled data.

GPT is pre-trained using vast amounts of unlabeled data to develop an intrinsic understanding of text.

Use cases and target audiences

OpenAI caters to developers, researchers, businesses, and organizations with diverse goals.

ChatGPT serves individuals seeking personalized virtual assistance or engaging in conversations with AI.

Cost and availability

OpenAI provides limited free access through its Playground and API platforms. Commercial use requires a subscription fee.

ChatGPT is accessible to anyone online. Offers paid versions: ChatGPT Plus and ChatGPT Enterprise.

Success rate and accuracy

OpenAI has demonstrated impressive performance on various benchmarks.

While acknowledging potential flaws or inconsistencies, ChatGPT remains a popular choice for interactive AI.



Openai Compare

James Scott



Openai Compare:

Machine Learning and Principles and Practice of Knowledge Discovery in Databases Rosa Meo, Fabrizio Silvestri, 2025-01-01 The five volume set CCIS 2133 2137 constitutes the refereed proceedings of the workshops held in conjunction with the Joint European Conference on Machine Learning and Knowledge Discovery in Databases ECML PKDD 2023 which took place in Turin Italy during September 18 22 2023 The 200 full papers presented in these proceedings were carefully reviewed and selected from 515 submissions The papers have been organized in the following tracks Part I Advances in Interpretable Machine Learning and Artificial Intelligence Joint Workshop and Tutorial BIAS 2023 3rd Workshop on Bias and Fairness in AI Biased Data in Conversational Agents Explainable Artificial Intelligence From Static to Dynamic ML Law and Society Part II RKDE 2023 1st International Tutorial and Workshop on Responsible Knowledge Discovery in Education SoGood 2023 8th Workshop on Data Science for Social Good Towards Hybrid Human Machine Learning and Decision Making HLDM Uncertainty meets explainability in machine learning Workshop Deep Learning and Multimedia Forensics Combating fake media and misinformation Part III XAI TS Explainable AI for Time Series Advances and Applications XKDD 2023 5th International Workshop on eXplainable Knowledge Discovery in Data Mining Deep Learning for Sustainable Precision Agriculture Knowledge Guided Machine Learning MACLEAN MACHine Learning for Earth ObservatioN MLG Mining and Learning with Graphs Neuro Explicit AI and Expert Informed ML for Engineering and Physical Sciences New Frontiers in Mining Complex Patterns Part IV PharML Machine Learning for Pharma and Healthcare Applications Simplification Compression Efficiency and Frugality for Artificial intelligence Workshop on Uplift Modeling and Causal Machine Learning for Operational Decision Making 6th Workshop on AI in Aging Rehabilitation and Intelligent Assisted Living ARIAL Adapting to Change Reliable Multimodal Learning Across Domains AI4M AI for Manufacturing Part V Challenges and Opportunities of Large Language Models in Real World Machine Learning Applications Deep learning meets Neuromorphic Hardware Discovery challenge ITEM IoT Edge and Mobile for Embedded Machine Learning LIMBO LearnIng and Mining for BLockchains Machine Learning for Cybersecurity MLCS 2023 MIDAS The 8th Workshop on MIning DATA for financial applicationS Workshop on Advancements in Federated Learning

Programming Large Language Models with Azure Open AI Francesco Esposito, 2024-04-03 Use LLMs to build better business software applications Autonomously communicate with users and optimize business tasks with applications built to make the interaction between humans and computers smooth and natural Artificial Intelligence expert Francesco Esposito illustrates several scenarios for which a LLM is effective crafting sophisticated business solutions shortening the gap between humans and software equipped machines and building powerful reasoning engines Insight into prompting and conversational programming with specific techniques for patterns and frameworks unlock how natural language can also lead to a new advanced approach to coding Concrete end to end demonstrations featuring Python and ASP NET Core showcase versatile patterns of interaction between existing

processes APIs data and human input Artificial Intelligence expert Francesco Esposito helps you Understand the history of large language models and conversational programming Apply prompting as a new way of coding Learn core prompting techniques and fundamental use cases Engineer advanced prompts including connecting LLMs to data and function calling to build reasoning engines Use natural language in code to define workflows and orchestrate existing APIs Master external LLM frameworks Evaluate responsible AI security privacy and accuracy concerns Explore the AI regulatory landscape Build and implement a personal assistant Apply a retrieval augmented generation RAG pattern to formulate responses based on a knowledge base Construct a conversational user interface For IT Professionals and Consultants For software professionals architects lead developers programmers and Machine Learning enthusiasts For anyone else interested in natural language processing or real world applications of human like language in software

The Embodied Brain: Computational Mechanisms of Integrated Sensorimotor Interactions with a Dynamic Environment Mario Senden, Judith Peters, Florian Röhrbein, Rainer Goebel, Gustavo Deco, 2020-07-31

Programmieren mit ChatGPT Joachim L. Zuckarelli, 2024-12-27

Anwendungen künstlicher Intelligenz KI und vor allem Large Language Models LLMs sind in aller Munde und revolutionieren in vielen Bereichen die Art und Weise wie wir arbeiten Das gilt auch für das Programmieren und die Softwareentwicklung wo Werkzeuge wie ChatGPT von OpenAI wenn sie richtig eingesetzt werden die Produktivität erheblich steigern können Unabhängig davon ob Sie beruflich oder privat programmieren ob Sie Anfänger in oder erfahrene Entwickler in sind ob Sie mit künstlicher Intelligenz bereits vertraut sind oder nicht in diesem Buch lernen Sie auf kompakte praxisorientierte Weise anhand zahlreicher Beispiele wie Sie Werkzeuge wie ChatGPT Claude Gemini Co bei der Arbeit mit Code einsetzen können um produktiver zu sein und Ihre Ziele schneller und müheloser zu erreichen Darüber hinaus erfahren Sie wie Sie einfache eigene KI Anwendungen auf Basis der OpenAI API entwickeln können Der Schwerpunkt des Buches liegt dabei auf allgemeingültigen Grundtechniken die auch im schnelllebigen KI Geschäft auf absehbare Zeit von Bedeutung sein werden Der Inhalt Einführung Das Zeitalter der künstlichen Intelligenz Chancen und Risiken für das Berufsfeld des Entwicklers Teil 1 ChatGPT Co verstehen Funktionsweise von ChatGPT und anderen Large Language Models Alternativen zu ChatGPT Teil 2 ChatGPT benutzen Die wichtigsten Features Tipps zur Formulierung effektiver Prompts Teil 3 Einige Anwendungsbereiche für das Programmieren mit ChatGPT ChatGPT als Nachschlagewerk Berater oder Tutor nutzen Code schreiben Reguläre Ausdrücke RegEx erzeugen und bearbeiten Test Beispieldaten generieren Code testen und debuggen Code formatieren kommentieren und dokumentieren Code übersetzen transpilieren Fremden Code verstehen Die OpenAI API verwenden Die Produktfamilie WissensExpress bietet Ihnen Lehr Lern und Sachbücher in kompakter Form Die Bücher liefern schnell und verständlich fundiertes Wissen

Requirements Engineering: Foundation for Software Quality Anne Hess, Angelo Susi, 2025-05-02

This book constitutes the refereed proceedings of the 31st International Working Conference on Requirements Engineering Foundation for Software Quality REFSQ 2025 held in Barcelona Spain during April 7-10 2025 The 21 full papers and 8 short

papers included in this book were carefully reviewed and selected from 74 submissions They were organized in topical sections as follows Responsible RE Crowd and Large Scale RE Requirements Modeling Requirements Elicitation and Analysis Participatory RE RE for Safety critical and Autonomous Systems and Requirements Quality Assurance Emerging Computer Technologies 2 Ömer Aydın,Radosveta Sokullu,Özkan Akın,Erginay Aslan,Oliver Simonoski,Ninoslav Marina,Natasa Paunkoska (Dimoska),Izabela Mitreska,Mustafa Ceyhan,Enis Karaarslan,2022-12-31 There is rapid development and change in the field of computer science today These affect all areas of life Emerging topics in computer science are covered in this book In the first chapter a specific IoT application called a smart mailbox with face recognition which uses cellular connectivity and image processing to securely deliver valuable documents The prototype for this system includes a fingerprint reader camera electromagnetic lock and various other components connected to an Arduino Uno and a Raspberry Pi and uses OpenCV and Python software for face detection and recognition In the second chapter authors compares and evaluates the main characteristics of 5G channels and the performance of two channel coding candidates low density parity check LDPC codes and polar codes The analysis considers block error rate bit error rate computational complexity and flexibility and finds that polar codes outperform LDPC code systems though LDPC is still a viable option compared to other code systems The third chapter focuses on how to reliably process and store DNA sequences in EHR systems without any modifications To achieve this the authors introduce a coding technique and evaluate its effectiveness using the Hamming code and Reed Solomon coding schemes on a sample data set The results show that the Reed Solomon coding scheme outperforms the Hamming code in terms of error detection and correction for securely processing DNA records to EHR systems The next chapter investigates the robustness of AI models trained on thyroid ultrasound images using different convolutional neural network CNN architectures VGG19 Xception ResNet50V2 and EfficientNetB2 against adversarial attacks using the fast gradient sign method FGSM basic iterative method BIM and projected gradient descent PGD techniques In the fifth chapter it was questioned whether artificial intelligence could write an academic article In this direction an academic article was created and evaluated by OpenAI ChatGPT The final chapter proposes an application to measure RF signal intensities in urban areas and use that information to estimate the amount of energy that can be harvested from these signals This information is then presented to users through a geographical information system

Lahndi Phonetics, with Special Reference to Awáŋkárí Hardev Bahri,1963 Transformers in Action Nicole Koenigstein,2025-11-25 Understand the architecture that underpins today s most powerful AI models Transformers are the superpower behind large language models LLMs like ChatGPT Gemini and Claude Transformers in Action gives you the insights practical techniques and extensive code samples you need to adapt pretrained transformer models to new and exciting tasks Inside Transformers in Action you ll learn How transformers and LLMs work Modeling families and architecture variants Efficient and specialized large language models Adapt HuggingFace models to new tasks Automate

hyperparameter search with Ray Tune and Optuna Optimize LLM model performance Advanced prompting and zero few shot learning Text generation with reinforcement learning Responsible LLMs Transformers in Action takes you from the origins of transformers all the way to fine tuning an LLM for your own projects Author Nicole Koenigstein demonstrates the vital mathematical and theoretical background of the transformer architecture practically through executable Jupyter notebooks You ll discover advice on prompt engineering as well as proven and tested methods for optimizing and tuning large language models Plus you ll find unique coverage of AI ethics specialized smaller models and the decoder encoder architecture Foreword by Luis Serrano About the technology Transformers are the beating heart of large language models LLMs and other generative AI tools These powerful neural networks use a mechanism called self attention which enables them to dynamically evaluate the relevance of each input element in context Transformer based models can understand and generate natural language translate between languages summarize text and even write code all with impressive fluency and coherence About the book Transformers in Action introduces you to transformers and large language models with careful attention to their design and mathematical underpinnings You ll learn why architecture matters for speed scale and retrieval as you explore applications including RAG and multi modal models Along the way you ll discover how to optimize training and performance using advanced sampling and decoding techniques use reinforcement learning to align models with human preferences and more The hands on Jupyter notebooks and real world examples ensure you ll see transformers in action as you go What s inside Optimizing LLM model performance Adapting HuggingFace models to new tasks How transformers and LLMs work under the hood Mitigating bias and responsible ethics in LLMs About the reader For data scientists and machine learning engineers About the author Nicole Koenigstein is the Co Founder and Chief AI Officer at the fintech company Quantmate Table of Contents Part 1 1 The need for transformers 2 A deeper look into transformers Part 2 3 Model families and architecture variants 4 Text generation strategies and prompting techniques 5 Preference alignment and retrieval augmented generation Part 3 6 Multimodal models 7 Efficient and specialized small language models 8 Training and evaluating large language models 9 Optimizing and scaling large language models 10 Ethical and responsible large language models

ChatGPT 4 (Ko Ko) (Ian Chen) Ryan Chung, 2023-07-16 GPT 4 Azure OpenAI ChatGPT GPT 4 Sematic Kernel RAG pattern Azure AI studio Azure Language Studio 2023 ChatGPT ChatGPT ChatGPT Prompt ChatGPT API ChatGPT Azure OpenAI Azure Cognitive for Language ChatGPT API C Node js Azure OpenAI fine tune GPT 1 ChatGPT ChatGPT AI 2 NET C Node js NET C Node js 2 3 Microsoft Azure Microsoft OpenAI OpenAI OpenAI Microsoft Azure Microsoft Azure OpenAI 4 ChatGPT Microsoft Azure OpenAI ChatGPT Azure AI Cognitive Service for Language AI Azure OpenAI ChatGPT Azure OpenAI Cognitive Service for Language AI OpenAI Whisper AI DALL E Azure Cognitive Service for Language Microsoft MVP AI AIGC OpenAI API AIGC Microsoft Regional Director https blog studyhost tw AI [A Corean Manual Or Phrase Book](#) James Scott, 1893 **Natural Language Processing in Action, Second Edition** Hobson Lane, Maria Dyschel, 2025-02-25

Develop your NLP skills from scratch with an open source toolbox of Python packages Transformers Hugging Face vector databases and your own Large Language Models Natural Language Processing in Action Second Edition has helped thousands of data scientists build machines that understand human language In this new and revised edition you ll discover state of the art Natural Language Processing NLP models like BERT and HuggingFace transformers popular open source frameworks for chatbots and more You ll create NLP tools that can detect fake news filter spam deliver exceptional search results and even build truthfulness and reasoning into Large Language Models LLMs In Natural Language Processing in Action Second Edition you will learn how to Process analyze understand and generate natural language text Build production quality NLP pipelines with spaCy Build neural networks for NLP using Pytorch BERT and GPT transformers for English composition writing code and even organizing your thoughts Create chatbots and other conversational AI agents In this new and revised edition you ll discover state of the art NLP models like BERT and HuggingFace transformers popular open source frameworks for chatbots and more Plus you ll discover vital skills and techniques for optimizing LLMs including conversational design and automating the trial and error of LLM interactions for effective and accurate results About the technology From nearly human chatbots to ultra personalized business reports to AI generated email news stories and novels natural language processing NLP has never been more powerful Groundbreaking advances in deep learning have made high quality open source models and powerful NLP tools like spaCy and PyTorch widely available and ready for production applications This book is your entrance ticket and backstage pass into the next generation of natural language processing About the book Natural Language Processing in Action Second Edition introduces the foundational technologies and state of the art tools you ll need to write and publish NLP applications You learn how to create custom models for search translation writing assistants and more without relying on big commercial foundation models This fully updated second edition includes coverage of BERT Hugging Face transformers fine tuning large language models and more What s inside NLP pipelines with spaCy Neural networks with PyTorch BERT and GPT transformers Conversational design for chatbots About the reader For intermediate Python programmers familiar with deep learning basics About the author Hobson Lane is a data scientist and machine learning engineer with over twenty years of experience building autonomous systems and NLP pipelines Maria Dyshel is a social entrepreneur and artificial intelligence expert and the CEO and cofounder of Tangible AI Cole Howard and Hannes Max Hapke were co authors of the first edition

Mitigating Bias in Machine Learning Carlotta A.

Berry, Brandeis Hill Marshall, 2024-10-18 This practical guide shows step by step how to use machine learning to carry out actionable decisions that do not discriminate based on numerous human factors including ethnicity and gender The authors examine the many kinds of bias that occur in the field today and provide mitigation strategies that are ready to deploy across a wide range of technologies applications and industries Edited by engineering and computing experts Mitigating Bias in Machine Learning includes contributions from recognized scholars and professionals working across different artificial

intelligence sectors Each chapter addresses a different topic and real world case studies are featured throughout that highlight discriminatory machine learning practices and clearly show how they were reduced Mitigating Bias in Machine Learning addresses Ethical and Societal Implications of Machine Learning Social Media and Health Information Dissemination Comparative Case Study of Fairness Toolkits Bias Mitigation in Hate Speech Detection Unintended Systematic Biases in Natural Language Processing Combating Bias in Large Language Models Recognizing Bias in Medical Machine Learning and AI Models Machine Learning Bias in Healthcare Achieving Systemic Equity in Socioecological Systems Community Engagement for Machine Learning **Electronic Engineering** ,1947 Die Werke James Elphinstons (1721-1809) als Quellen der englischen Lautgeschichte Helmut Rohlfing,1984 **ChatGPT Prompt Flow LangChain Semantic Kernel** Ko Ko Ian Chen Ryan Chung,2024-04-26 ChatGPT OpenAI Plugins GPTs ChatGPT LLM 10 LLM LLM LangChain Semantic Kernel Python NET RAG 1 LangChain Semantic Kernel ChatGPT Prompt Prompt LangChain Semantic Kernel 2 RAG RAG LLM RAG 3 LLM AI AI LLM 4 a LangChain Semantic Kernel b RAG c Prompt d ChatGPT Azure OpenAI Will Google Developer Expert Microsoft MVP ChatGPT ChatGPT Azure AI LangChain Semantic Kernel Azure OpenAI Hugging Face RAG LLM LLM MVP AI AI Microsoft Regional Director Microsoft MVP **A Maasai Grammar with Vocabulary** Archibald Norman Tucker,John Tompo Ole Mpaayei,1955 **Farm & Garden Index** ,1979 SPE Reservoir Evaluation & Engineering ,2008 THE FARMERS' REGISTER: A MONTHLY PUBLICATION DEVOTED TO THE IMPROVEMENT OF THE PRACTICE AND SUPPORT OF THE INTERESTS OR AGRICULTURE ,1842 OpenAI O1 Vs. GPT 4o Tim Harrison W,2024-10-02 Step into the future of artificial intelligence with a groundbreaking journey that goes beyond the surface OpenAI o1 vs GPT 4o The Next Evolution in Artificial Intelligence offers an in depth exploration of the AI revolution where machines don t just mimic human responses but think and reason like us This book is your key to understanding the seismic shift in AI capabilities from pattern recognition to genuine problem solving and how this leap is reshaping industries enhancing human potential and raising new ethical questions Unlock the secrets behind OpenAI o1 s ability to outperform its predecessors in complex tasks Delve into its advanced reasoning multi step problem solving and the chain of thought technique that allows it to break down intricate challenges with a human like approach Compare it to the impressive yet limited abilities of GPT 4o and discover how o1 s deep reasoning marks a new era in AI development This isn t just another comparison it s a journey into the future where AI becomes a partner in innovation assisting in scientific research healthcare education and business strategy Whether you re an AI enthusiast a tech professional a business leader or simply curious about the future this book offers insights that will challenge your understanding of what AI can do Learn how o1 s advancements are paving the way for machines that don t just follow commands but think critically offer nuanced insights and collaborate with us to solve the most complex problems It s not just about the technology it s about the dawn of a new age where AI and human intelligence work hand in hand Why Read This Book Discover the groundbreaking differences

between OpenAI o1 and GPT 4o and why they matter Understand how AI is evolving from simple pattern recognition to sophisticated reasoning Explore the potential impact of AI on various industries including healthcare education and business Prepare for the future by learning how AI can augment human capabilities and transform our world Call to Action Don t just watch the AI revolution unfold be a part of it Grab your copy now and dive into the world where AI doesn t just answer questions but thinks reasons and collaborates with us The future of intelligence is here and it s more exciting and transformative than ever before

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