



Openai In The Us Returns

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Openai In The Us Returns:

West to East: A New Global Economy in the Making? Arno J. van Niekerk, 2025-09-19 This book covers new trends in the global economy as a result of geopolitical shifts. Given the rise of the East especially China and India and strong Arab economies in the Middle East, clear signs are emerging that the axis of power may be shifting from the West America and Europe to the East. This shift including any intentions towards de-dollarization plus its implications need to be thoroughly investigated. In addition, the influence of the digital revolution in finance, cryptocurrencies, CBDCs, FinTech, etc. are changing the global landscape. What also cannot be overlooked are the disruptive effects caused by the new Trump administration in the United States on the global economy. A key question is what are the implications of these significant global developments for economic sustainability. Are researchers and policymakers seeing a new form of capitalism emerging or is it new socialism? Achieving the Sustainable Development Goals (SDGs) remain a high priority to most countries around the world, but the progress of many has been derailed by the COVID-19 pandemic. If economic inclusion as part of the SDGs remains a central objective, these latest developments will have a significant impact on it going forward, especially in view of growing geopolitical tension. The role of global economic institutions will be crucial in furthering globalization or preventing de-globalization. A higher level of international collaboration, especially from an inclusive economic perspective, will be needed to steer the global economy in a direction that will result in genuine economic progress for all. Addressing all these aspects, the book specifically includes the following special features: comparative trends, graphs and tables of the geopolitical and geoeconomic shifts over the past few decades, illustrations of changes in the financial system, new analyses of traditional economic theories, e.g. capitalism and socialism, criteria for an inclusive economy and how they help to attain the SDGs, new dissections of the digital revolution in the context of the geopolitical shifts, and proposals on how to deal with the challenges from a global economic governance perspective. Sustainable economic progress is paramount, but the challenge of balancing global priorities, geopolitical forces, and inclusive innovation requires comprehensive investigation. In a world where power is fluctuating, technologies are transforming the economy, and global norms are being rewritten, this book offers timely insights into how inclusive and sustainable economic futures can still be imagined and realized. Supremacy Parmy Olson, 2024-09-10 WINNER OF THE THE FINANCIAL TIMES AND SCHRODERS 2024 BUSINESS BOOK OF THE YEAR AWARD. In November of 2022, a webpage was posted online with a simple text box. It was an AI chatbot called ChatGPT and was unlike any app people had used before. It was more human than a customer service agent, more convenient than a Google search. Behind the scenes, battles for control and prestige between the world's two leading AI firms, OpenAI and DeepMind, who now steers Google's AI efforts, has remained elusive until now. In *Supremacy*, Olson, tech writer at Bloomberg, tells the astonishing story of the battle between these two AI firms, their struggles to use their tech for good and the hazardous direction they could go as they serve two tech Goliaths whose power is unprecedented in history. The story focuses on the

continuing rivalry of two key CEOs at the center of it all who cultivated a religion around their mission to build god like super intelligent machines Sam Altman CEO of OpenAI and Demis Hassabis the CEO of DeepMind Supremacy sharply alerts readers to the real threat of artificial intelligence that its top creators are ignoring the profit driven spread of flawed and biased technology into industries education media and more With exclusive access to a network of high ranking sources Parmy Olson uses her 13 years of experience covering technology to bring to light the exploitation of the greatest invention in human history and how it will impact us all *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 *Mastering Large Language Models with Python: Unleash the Power of Advanced Natural Language Processing for Enterprise Innovation and Efficiency Using Large Language Models (LLMs) with Python* Raj Arun, 2024-04-12 A Comprehensive Guide to Leverage Generative AI in the Modern Enterprise Key Features Gain a comprehensive understanding of LLMs within the framework of Generative AI from foundational concepts to advanced applications Dive into practical exercises and real world applications accompanied by detailed code walkthroughs in Python Explore LLMops with a dedicated focus on ensuring trustworthy AI and best practices for deploying managing and maintaining LLMs in enterprise settings Book Description Mastering Large Language Models with Python is an indispensable resource that offers a comprehensive exploration of Large Language Models LLMs providing the essential knowledge to leverage these transformative AI models effectively From unraveling the intricacies of LLM

architecture to practical applications like code generation and AI driven recommendation systems readers will gain valuable insights into implementing LLMs in diverse projects Covering both open source and proprietary LLMs the book delves into foundational concepts and advanced techniques empowering professionals to harness the full potential of these models Detailed discussions on quantization techniques for efficient deployment operational strategies with LLMops and ethical considerations ensure a well rounded understanding of LLM implementation Through real world case studies code snippets and practical examples readers will navigate the complexities of LLMs with confidence paving the way for innovative solutions and organizational growth Whether you seek to deepen your understanding drive impactful applications or lead AI driven initiatives this book equips you with the tools and insights needed to excel in the dynamic landscape of artificial intelligence What you will learn In depth study of LLM architecture and its versatile applications across industries Harness open source and proprietary LLMs to craft innovative solutions Implement LLM APIs for a wide range of tasks spanning natural language processing audio analysis and visual recognition Optimize LLM deployment through techniques such as quantization and operational strategies like LLMops ensuring efficient and scalable model usage

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Python GPT Cookbook Dr. Neil Williams, 2025-03-19

DESCRIPTION GPT has redefined the landscape of AI enabling the creation of powerful language models capable of diverse applications The objective of the Python GPT Cookbook is to equip readers with practical recipes and foundational knowledge to build business solutions using GPT and Python The book is divided into four parts The first covers the basics the second teaches the fundamentals of NLP the third delves into applying GPT in various fields and the fourth provides a conclusion Each chapter includes recipes and practical insights to help readers deepen their understanding and apply the concepts presented This cookbook approach delivers 78 practical recipes including creating OpenAI accounts utilizing playgrounds and API keys You will learn text preprocessing embeddings fine tuning and GPT integration with Hugging Face Learn to implement GPT using PyTorch and TensorFlow convert models and build authenticated actions Applications include chatbots email summarization DBA copilots and use cases in marketing sales IP and manufacturing By the end of the book readers will have a robust understanding of GPT models and how to use them for real world NLP tasks along with the skills to continue exploring this powerful

technology independently WHAT YOU WILL LEARN Learn Python OpenAI TensorFlow Hugging Face and vector databases Master Python for NLP applications and data manipulation Understand and implement GPT models for various tasks Integrate GPT with various architectural components such as databases third party APIs servers and data pipelines Utilise NLTK PyTorch and TensorFlow for advanced NLP projects Use Jupyter for interactive coding and data analysis WHO THIS BOOK IS FOR The Python GPT Cookbook is for IT professionals and business innovators who already have basic Python skills Data scientists ML engineers NLP engineers and ML researchers will also find it useful TABLE OF CONTENTS 1 Introduction to GPT 2 Crafting Your GPT Workspace 3 Pre processing 4 Embeddings 5 Classifying Intent 6 Hugging Face and GPT 7 Vector Databases 8 GPT PyTorch and TensorFlow 9 Custom GPT Actions 10 Integrating GPT with the Enterprise 11 Marketing and Sales with GPT 12 Intellectual Property Management with GPT 13 GPT in Manufacturing 14 Scaling up 15 Emerging Trends and Future Directions

Die letzten Rätsel des Universums Niklas Kolorz, 2024-10-01 Die großen Mysterien des Weltalls und unserer Erde faszinierende Rätsel der Wissenschaft vom Autor des Sachbuch Bestsellers Fast Alles einfach erklärt Niklas Kolorz Was war vor dem Urknall Woraus besteht Dunkle Materie Wie sieht mögliches Leben auf Exoplaneten aus Science Star Niklas Kolorz erforscht in seinem neuen Buch die größten ungeklärten Fragen unseres Universums Dafür begibt er sich an Orte an denen die traditionellen Modelle der Physik versagen und die menschliche Vorstellungskraft bis an ihre erste geforderte Grenze Doch die Wissenschaftsgeschichte zeigt Forschende schaffen es immer wieder das einst Unglaubliche zu erklären Niklas Kolorz schildert die bahnbrechenden Versuche Studien und Modelle die dabei helfen werden diese Rätsel zu lösen Fesselnd faktenreich und humorvoll lässt er die Wissenschaft am Rand des Universums lebendig werden In Teil 1 dreht sich alles um den KOSMOS Wo fängt das Universum an und wo endet es Was steckt hinter der ominösen Dunklen Energie Und gibt es Portale die einen Weg ins Multiversum eröffnen Teil 2 begibt sich auf die Spur des LEBENS Wie entsteht Bewusstsein Könnten wir in einer Simulation leben Welche Erkenntnisse hat die Astrobiologie über Leben im All Um die ZUKUNFT geht es in Teil 3 Finden wir irgendwann eine Weltformel Und können wir sogar in der Zeit reisen Wieder widmet sich Niklas Kolorz nicht nur den Fakten sondern auch den Geschichten dahinter Er verfolgt wie sich Wissenschaftler innen der Erklärung des Unerklärlichen widmen was sie antreibt und wie sie dabei ein ums andere Mal unser Bild vom Universum auf den Kopf stellen Was würde passieren wenn ich in ein Raumschiff steige und mit Lichtgeschwindigkeit in eine Richtung fliege Raus aus unserem Sonnensystem vorbei am schwarzen Loch im Zentrum unserer Milchstraße raus aus dem Galaxienhaufen der lokalen Gruppe weit in den Kosmos hinein Wie weit müsste ich fliegen bis ich dahin gelange wo das Universum aufhört und das ja was eigentlich beginnt

The AI Con Emily M. Bender, Alex Hanna, 2025-05-22 The blizzard of excitement misinformation and pure hype around AI has driven many of us to want an honest guide If like me you're one of those many you need to read this book BRIAN ENO Is AI going to take over the world Have scientists created an artificial lifeform that can think on its own Is it going to replace all our jobs Are we about to enter

an age where computers are better than humans at everything The answers to these questions as the expert authors of The AI Con make clear are no they wish LOL and definitely not In fact these fears are all symptoms of the hype being used by tech corporations to justify data theft motivate surveillance capitalism and devalue human creativity Packed with real world examples pithy arguments and expert insights The AI Con arms you to spot AI hype in all its guises expose the exploitation and power grabs it aims to hide and push back against it at work and in your daily life A book to inoculate your mind against Big Tech s AI utopian hype Yanis Varoufakis Hanna and Bender provide the clearest picture yet of what AI is what it is not and why none of us need to accept it Timnit Gebru A powerful antidote The authors show that these technologies will serve to deepen existing inequalities and further enshittify life and work for the vast majority of people Grace Blakeley Truly eye opening An indispensable field manual for those who want to fight for a more humane economy and a better society Ha Joon Chang Fascinating and thought provoking Johann Hari A must read Aleks Krotoski *DeepSeek in Action* Jing Dai, 2025-11-18 From fundamental concepts to advanced implementations this book thoroughly explores the DeepSeek V3 model focusing on its Transformer based architecture technological innovations and applications The book begins with a thorough examination of theoretical foundations including self attention positional encoding the Mixture of Experts mechanism and distributed training strategies It then explores DeepSeek V3 s technical advancements including sparse attention mechanisms FP8 mixed precision training and hierarchical load balancing which optimize memory and energy efficiency Through case studies and API integration techniques the model s high performance capabilities in text generation mathematical reasoning and code completion are examined The book highlights DeepSeek s open platform and covers secure API authentication concurrency strategies and real time data processing for scalable AI applications Additionally the book addresses industry applications such as chat client development utilizing DeepSeek s context caching and callback functions for automation and predictive maintenance This book is aimed primarily at AI researchers and developers working on large scale AI models It is an invaluable resource for professionals seeking to understand the theoretical underpinnings and practical implementation of advanced AI systems particularly those interested in efficient scalable applications **The Year in Tech, 2025** Harvard Business Review, Amy Webb, Elisa Farri, Gabriele Rosani, Alex Tapscott, 2024-10-08 A year of HBR s essential thinking on tech all in one place Generative AI biometrics spatial computing electric vehicles new technologies like these are reshaping organizations at the hybrid office on factory floors and in the C suite What should you and your company be doing now to take advantage of the new opportunities these technologies are creating and avoid falling victim to disruption The Year in Tech 2025 The Insights You Need from Harvard Business Review will help you understand what the latest and most important tech innovations mean for your organization and how you can use them to compete and win in today s turbulent business environment Business is changing Will you adapt or be left behind Get up to speed and deepen your understanding of the topics that are shaping your company s future with the Insights You Need from Harvard Business

Review series Featuring HBR s smartest thinking on fast moving issues blockchain cybersecurity AI and more each book provides the foundational introduction and practical case studies your organization needs to compete today and collects the best research interviews and analysis to get it ready for tomorrow You can t afford to ignore how these issues will transform the landscape of business and society The Insights You Need series will help you grasp these critical ideas and prepare you and your company for the future [AI-102 Practice Questions for Microsoft Azure AI Engineer Associate Certification](#)

Dormouse Quillsby, NotJustExam AI 102 Practice Questions for Microsoft Azure AI Engineer Associate Certification Struggling to find quality study materials for the Microsoft Certified Azure AI Engineer Associate AI 102 exam Our question bank offers over 320 carefully selected practice questions with detailed explanations insights from online discussions and AI enhanced reasoning to help you master the concepts and ace the certification Say goodbye to inadequate resources and confusing online answers we re here to transform your exam preparation experience Why Choose Our AI 102 Question Bank Have you ever felt that official study materials for the AI 102 exam don t cut it Ever dived into a question bank only to find too few quality questions Perhaps you ve encountered online answers that lack clarity reasoning or proper citations We understand your frustration and our AI 102 certification prep is designed to change that Our AI 102 question bank is more than just a brain dump it s a comprehensive study companion focused on deep understanding not rote memorization With over 320 expertly curated practice questions you get Question Bank Suggested Answers Learn the rationale behind each correct choice Summary of Internet Discussions Gain insights from online conversations that break down complex topics AI Recommended Answers with Full Reasoning and Citations Trust in clear accurate explanations powered by AI backed by reliable references Your Path to Certification Success This isn t just another study guide it s a complete learning tool designed to empower you to grasp the core concepts of Azure AI Engineer Associate Our practice questions prepare you for every aspect of the AI 102 exam ensuring you re ready to excel Say goodbye to confusion and hello to a confident in depth understanding that will not only get you certified but also help you succeed long after the exam is over Start your journey to mastering the Microsoft Certified Azure AI Engineer Associate certification today with our AI 102 question bank Learn more Microsoft Certified Azure AI Engineer Associate <https://learn.microsoft.com/en-us/credentials/certifications/azure-ai-engineer>

Data Analysis with LLMs Immanuel Trummer,2025-05-13 Speed up common data science tasks with AI assistants like ChatGPT and Large Language Models LLMs from Anthropic Cohere Open AI Google Hugging Face and more Data Analysis with LLMs teaches you to use the new generation of AI assistants and Large Language Models LLMs to aid and accelerate common data science tasks Learn how to use LLMs to Analyze text tables images and audio files Extract information from multi modal data lakes Classify cluster transform and query multimodal data Build natural language query interfaces over structured data sources Use LangChain to build complex data analysis pipelines Prompt engineering and model configuration All practical Data Analysis with LLMs takes you from your first prompts through advanced techniques like creating LLM

based agents for data analysis and fine tuning existing models You ll learn how to extract data build natural language query interfaces and much more About the technology Large Language Models LLMs can streamline and accelerate almost any data science task Master the techniques in this book and you ll be able to analyze large amounts of text tabular and graph data images videos and more with clear natural language prompts and a few lines of Python code About the book Data Analysis with LLMs shows you exactly how to integrate generative AI into your day to day work as a data scientist In it Cornell professor Immanuel Trummer guides you through a series of engaging projects that introduce OpenAI s Python library tools like LangChain and LlamaIndex and LLMs from Anthropic Cohere and Hugging Face As you go you ll use AI to query structured and unstructured data analyze sound and images and optimize the cost and quality of your data analysis process What s inside Classify cluster transform and query multimodal data Build natural language query interfaces over structured data sources Create LLM based agents for autonomous data analysis Prompt engineering and model configuration About the reader For data scientists and data analysts who know the basics of Python About the author Immanuel Trummer is an associate professor of computer science at Cornell University and a member of the Cornell Database Group Table of Contents Part 1 1 Analyzing data with large language models 2 Chatting with ChatGPT Part 2 3 The OpenAI Python library 4 Analyzing text data 5 Analyzing structured data 6 Analyzing images and videos 7 Analyzing audio data Part 3 8 GPT alternatives 9 Optimizing cost and quality 10 Software frameworks

Schillersätze Leo Cavana,2025-07-21 Schillers tze eine Anthologie Moderne Denkanst e aus vergangener Zeit Friedrich Schiller hoch aktuell damals wie heute Die M glichkeit in eine andere Gedankenwelt einzutauchen um neue Impulse und vielleicht auch andere neue Ans tze f r die L sungen unserer vielschichtigen Probleme des 21 Jahrhunderts zu finden Mit 1200 Textstellen und einem Essay als Vorwort einer Auflistung der bekanntesten Schiller Zitate dem Verzeichnis der verwendeten Werke Schillers einem ausf hrlichen Deskriptorenverzeichnis und besonderen Briefen Schillers Aussagen Goethes ber Schiller einem entsprechendem Personenregister editorischen Anmerkungen und einer umfangreichen Schiller Zeittafel als eine Art Kurzbiografie Schiller hat wie kaum ein anderer positiv zur Entwicklung unserer deutschen Kultur beigetragen geh rt somit zu unserem Kulturkapital und erlangte dabei wie kaum ein anderer einen so hohen Bekanntheitsgrad und wurde wie kaum ein anderer so h ufig und vor allem durchgehend bis heute auf unseren B hnen gespielt Als Mensch war er ein Freigeist bei dem das Denken frei von vorhandenen Verboten Traditionen oder moralischen Regeln blieb Mit seiner gro en Hinterlassenschaft tut sich f r uns ein schier unendlich erscheinender Fundus f r unsere Suche nach inspirierenden Denkanst en auf Zwar aus einer vergangenen Zeit aber gleichbleibend aktuell damals wie heute Eine geistige Quelle aus der wir die richtigen zielf hrenden Anregungen zu den einzelnen Themen unserer Zeit ob pers nlich gesellschaftlich oder global sch pfen k nnen

Four Battlegrounds Paul Scharre,2023-02-28 An NPR 2023 Books We Love Pick One of the Next Big Idea Club s Must Read Books An invaluable primer to arguably the most important driver of change for our future P W Singer author of Burn In An award

winning defense expert tells the story of today's great power rivalry the struggle to control artificial intelligence A new industrial revolution has begun Like mechanization or electricity before it artificial intelligence will touch every aspect of our lives and cause profound disruptions in the balance of global power especially among the AI superpowers China the United States and Europe Autonomous weapons expert Paul Scharre takes readers inside the fierce competition to develop and implement this game changing technology and dominate the future Four Battlegrounds argues that four key elements define this struggle data computing power talent and institutions Data is a vital resource like coal or oil but it must be collected and refined Advanced computer chips are the essence of computing power control over chip supply chains grants leverage over rivals Talent is about people which country attracts the best researchers and most advanced technology companies The fourth battlefield is maybe the most critical the ultimate global leader in AI will have institutions that effectively incorporate AI into their economy society and especially their military Scharre's account surges with futuristic technology He explores the ways AI systems are already discovering new strategies via millions of war game simulations developing combat tactics better than any human tracking billions of people using biometrics and subtly controlling information with secret algorithms He visits China's National Team of leading AI companies to show the chilling synergy between China's government private sector and surveillance state He interviews Pentagon leadership and tours U S Defense Department offices in Silicon Valley revealing deep tensions between the military and tech giants who control data chips and talent Yet he concludes that those tensions inherent to our democratic system create resilience and resistance to autocracy in the face of overwhelmingly powerful technology Engaging and direct Four Battlegrounds offers a vivid picture of how AI is transforming warfare global security and the future of human freedom and what it will take for democracies to remain at the forefront of the world order

Generative Artificial Intelligence. World Intellectual Property Organization, 2024-07-03 In this WIPO Patent Landscape Report on Generative AI discover the latest patent trends for GenAI with a comprehensive and up to date understanding of the GenAI patent landscape alongside insights into its future applications and potential impact The report explores patents relating to the different modes models and industrial application areas of GenAI UX for Enterprise ChatGPT Solutions Richard H. Miller, 2024-09-06 Create engaging AI experiences by mastering ChatGPT for business and leveraging user interface design practices research methods prompt engineering the feeding lifecycle and more Key Features Learn in demand design thinking and user research techniques applicable to all conversational AI platforms Measure the quality and evaluate ChatGPT from a customer's perspective for optimal user experience Set up and use your secure private data documents and materials to enhance your ChatGPT models Purchase of the print or Kindle book includes a free PDF eBook Book Description Many enterprises grapple with new technology often hopping on the bandwagon only to abandon it when challenges emerge This book is your guide to seamlessly integrating ChatGPT into enterprise solutions with a UX centered approach UX for Enterprise ChatGPT Solutions empowers you to master effective use case design and adapt UX guidelines

through an engaging learning experience Discover how to prepare your content for success by tailoring interactions to match your audience s voice style and tone using prompt engineering and fine tuning For UX professionals this book is the key to anchoring your expertise in this evolving field Writers researchers product managers and linguists will learn to make insightful design decisions You ll explore use cases like ChatGPT powered chat and recommendation engines while uncovering the AI magic behind the scenes The book introduces a and feeding model enabling you to leverage feedback and monitoring to iterate and refine any Large Language Model solution Packed with hundreds of tips and tricks this guide will help you build a continuous improvement cycle suited for AI solutions By the end you ll know how to craft powerful accurate responsive and brand consistent generative AI experiences revolutionizing your organization s use of ChatGPT What you will learn Align with user needs by applying design thinking to tailor ChatGPT to meet customer expectations Harness user research to enhance chatbots and recommendation engines Track quality metrics and learn methods to evaluate and monitor ChatGPT s quality and usability Establish and maintain a uniform style and tone with prompt engineering and fine tuning Apply proven heuristics by monitoring and assessing the UX for conversational experiences with trusted methods Refine continuously by implementing an ongoing process for chatbot and feeding Who this book is for This book is for user experience designers product managers and product owners of business and enterprise ChatGPT solutions who are interested in learning how to design and implement ChatGPT 4 solutions for enterprise needs You should have a basic to intermediate level of understanding in UI UX design concepts and fundamental knowledge of ChatGPT 4 and its capabilities

Digital Business and Electronic Commerce Bernd W. Wirtz, 2024-06-04 This textbook introduces readers to digital business from a management standpoint It provides an overview of the foundations of digital business with basics activities and success factors and an analytical view on user behavior Dedicated chapters on mobile and social media present fundamental aspects discuss applications and address key success factors The Internet of Things IoT is subsequently introduced in the context of big data cloud computing and connecting technologies with a focus on industry 4 0 and the industrial metaverse In addition areas such as smart business services smart homes and digital consumer applications as well as artificial intelligence quantum computing and automation based on artificial intelligence will be analysed The book then turns to digital business models in the B2C business to consumer and B2B business to business sectors Building on the business model concepts the book addresses digital business strategy discussing the strategic digital business environment and digital business value activity systems dVAs as well as strategy development in the context of digital business Special chapters explore the implications of strategy for digital marketing and digital procurement Lastly the book discusses the fundamentals of digital business technologies and security and provides an outline of digital business implementation A comprehensive case study on Google Alphabet explaining Google s organizational history its integrated business model and its market environment rounds out the book

Generatives Deep Learning David Foster, 2020-03-24 Generative Modelle

haben sich zu einem der spannendsten Themenbereiche der Künstlichen Intelligenz entwickelt. Mit generativem Deep Learning ist es inzwischen möglich einer Maschine das Malen, Schreiben oder auch das Komponieren von Musik beizubringen, kreative Fähigkeiten die bisher dem Menschen vorbehalten waren. Mit diesem praxisnahen Buch können Data Scientists einige der eindrucksvollsten generativen Deep Learning Modelle nachbilden wie z.B. Generative Adversarial Networks (GANs), Variational Autoencoder (VAEs), Encoder-Decoder sowie World Modelle. David Foster vermittelt zunächst die Grundlagen des Deep Learning mit Keras und veranschaulicht die Funktionsweise jeder Methode bevor er zu einigen der modernsten Algorithmen auf diesem Gebiet vorstößt. Die zahlreichen praktischen Beispiele und Tipps helfen Ihnen herauszufinden wie Ihre Modelle noch effizienter lernen und noch kreativer werden können. Entdecken Sie wie Variational Autoencoder den Gesichtsausdruck auf Fotos verändern können. Erstellen Sie praktische GAN Beispiele von Grund auf und nutzen Sie CycleGAN zur Stilübertragung und MuseGAN zum Generieren von Musik. Verwenden Sie rekurrente generative Modelle um Text zu erzeugen und lernen Sie wie Sie diese Modelle mit dem Attention Mechanismus verbessern können. Erfahren Sie wie generatives Deep Learning Agenten dabei unterstützen kann Aufgaben im Rahmen des Reinforcement Learning zu erfüllen. Lernen Sie die Architektur von Transformern, BERT, GPT-2 und Bilderzeugungsmodellen wie ProGAN und StyleGAN kennen. Dieses Buch ist eine leicht zugängliche Einführung in das Deep Learning Toolkit für generatives Modellieren. Wenn Sie ein kreativer Praktiker sind der es liebt an Code zu basteln und Deep Learning für eigene Aufgaben nutzen möchte dann ist dieses Buch genau das Richtige für Sie. David Ha, Research Scientist bei Google Brain.

ChatGPT 3.5 Carsten Mika, 2024-01-03
Ein KI-Modell wie ChatGPT setzt auf Kommunikation. Ein sehr komplexes Thema im zwischenmenschlichen Bereich. Wie weit sind diese Fähigkeiten der Maschine bereits gereift? Kann eine KI bereits Tätigkeiten im Berufsleben selbstständig übernehmen oder doch nur als Unterstützung der Menschen eingesetzt werden? Diese und viele andere Fragen habe ich der Künstlichen Intelligenz in einem Interview gestellt. Herausgekommen ist dabei ein spannender und interessanter Dialog der die Schwächen aber auch Stärken der KI offenbart. Und Dinge auf die wir künftig sehr genau achten sollten.

MERKUR 7/2025, Jg. 79 Christian Demand, Ekkehard Knörer, 2025-06-24
Die Vorstellung es ließe sich aus der Geschichte etwas für die Gegenwart oder Zukunft lernen gilt längst als ausgesprochen naiv. Thomas Hertfelder gibt sich damit jedoch nicht zufrieden und erklärt warum sich aus der Geschichte und dem Ende der Weimarer Republik doch Schlüsse für das Heute ziehen lassen. Im zweiten Teil seiner Essayreihe Soziale Farbe untersucht Timon Beyes die Nutzung von Farbe am Arbeitsplatz. Elon Musk ist seit einer Weile von dem besessen was er woke mind virus nennt. Seine Kritik am nun auch zu woken Spieleklassiker Dungeons & Dragons nimmt Gregory Jones Katz zum Anlass die Verbindungen des Spiels zum technofaschistischen Komplex der hinter Musk steht genauer anzusehen. In ihrer KI-Kolumne erklärt Paola Lopez wie und warum der chinesische LLM Nachfolger DeepSeek die ganze Welt der KI in massive Unruhe versetzt. Gunnar Hindrichs legt in seiner Philosophiekolumne dar dass der Populismus keineswegs einfach das Andere der bürgerlichen Gesellschaft ist. Der Rechtswissenschaftler Andreas

Funke fordert in der aus seiner Sicht oft nicht ehrlichen aktuellen Diskussion über Migration KI rungen ein Mit seinem neuen Ghibli Filter hat ChatGPT Aufsehen erregt aber auch viel Empörung geerntet Für Johannes Franzen stellt sich hier die Frage nach der Werkherrschaft in der Kunst noch einmal neu Durch die Welt des Gifts und der Gifte führt Jens Soentgen William Collins Donahue gibt Einblicke in die Erinnerungspolitik der Vereinigten Staaten Und Anke Stelling begibt sich in ihrer Schlusskolumne auf einen Osterspaziergang Verhängnisvolle Geschenke – KI (Künstliche Intelligenz) Louis Melloy, 2023-03-01 Künstliche Intelligenz Nährboden für Urheberrechtsverletzungen Mathematik als universeller Helfer verpackt in Bits und Bytes Simple Zahlen sind als Spannungszustände in der Lage Milliarden und zur gleichen Zeit gehackte Menschen zu schaffen Nichts ahnend und in dem Glauben kostenlose Onlinedienste zu erhalten verschenkt die breite Masse alles was sie hat und zwar ihre Eigenständigkeit ihre Gedanken ihr Hab und Gut Vor allem aber die eigene Zukunft und die ihrer Mitmenschen Unwissende müssen zu Wissenden gemacht werden und sei es nur zum Ausgleich des Yin und Yang Die Gewohnheit andere zu imitieren macht vieles zu einem Einheitsbrei und zerstört Individualität Derartiges Verhalten macht es ab einem gewissen Punkt unmöglich menschliche soziale Kontakte zu pflegen oder aufrechtzuerhalten Doch genau dies ist von einigen so gewollt Wenn Künstliche Intelligenz dem menschlichen Miteinander vorgezogen wird sehen gewisse Kreise einen Schwachpunkt in den sie hineinstecken können Kryptowährungen Internet of Bodies Bewusstseinswissenschaften und das Erforschen von Leid und Gefühlen ist nichts was einer künstlichen Intelligenz berlassen werden sollte Kreative Berufe in Abhängigkeit zur Sprache Malerei Schrift und Erziehung sowie in sozialen Bereichen sollen bald kurz oder lang von KI ersetzt werden Weshalb dies nur für wenige nicht aber für die Allgemeinheit Sinn ergibt erfahren Sie hier Lernen Sie warum Onlinedienste Sie eher früher als später arbeitslos machen und aus ganzen Generationen nutzlose Körper werden Was das einen Macht und Bankkonto mehr ist das anderen Untergang Allein die Tatsache Regeln für andere aufzustellen die für alle gelten außer für jene die sie erlassen zeugt von minderwertigem Denken das im besten Fall nur Einzelnen dient aber keinesfalls der Menschheit die es zu entwickeln gilt

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