# Comparing Different ChatGPT Models

| Model | Cost per 1 million tokens | Token limits | Recency of information | Speed |
|---|---|---|---|---|
| GPT-3.5 Turbo | Input tokens: $0.50 <br> Output tokens: $1.50 | Context window: 16,385 tokens <br> Output limit: 4,096 tokens | Sep 2021 | Output speed: 121.5 tokens/second <br> Latency: 0.60 seconds |
| GPT-4 Turbo | Input tokens: $10 <br> Output tokens: $30 | Context window: 128,000 tokens <br> Output limit: 4,096 tokens | Dec 2023 | Output speed: 39.3 tokens/second <br> Latency: 1.25 seconds |
| GPT-4o | Input tokens: $2.50 <br> Output tokens: $10 | Context window: 128,000 tokens <br> Output limit: 16,384 tokens | Oct 2023 | Output speed: 134.9 tokens/second <br> Latency: 0.41 seconds |
| GPT-4o mini | Input tokens: $0.15 <br> Output tokens: $0.60 | Context window: 128,000 tokens <br> Output limit: 16,384 tokens | Oct 2023 | Output speed: 112.2 tokens/second <br> Latency: 0.63 seconds |
| OpenAI o1-preview | Input tokens: $15 <br> Output tokens: $60 | Context window: 128,000 tokens <br> Output limit: 32,000 tokens | Oct 2023 | Output speed: 151.3 tokens/second <br> Latency: 22 seconds |
| OpenAI o1-mini | Input tokens: $3 <br> Output tokens: $12 | Context window: 128,000 tokens <br> Output limit: 64,000 tokens | Oct 2023 | Output speed: 237 tokens/second <br> Latency: 9.01 seconds |

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Rachel S Tattersall

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   **ChatGPT For Dummies** Pam Baker,2025-03-03 Updated to provide a deeper and closer look at ChatGPT Expanded and extended this new edition of ChatGPT For Dummies covers the latest tools models and options available on the popular generative AI platform You ll learn best practices for using ChatGPT as a text and media generation tool research assistant and content reviewer If you re new to the world of AI you ll get all the basic know how needed to add ChatGPT to your professional toolbox And if you ve been doing the genAI thing for a while already this book will sharpen your skills as you apply AI to real world projects in an ethical manner You ll get insight on the best practice for using ChatGPT to make your life and work easier and how to write prompts that result in high quality output Understand what generative AI is and how ChatGPT produces human like responses Get tips on writing effective prompts and using ChatGPT to generate sound and images Apply ChatGPT to your daily work or personal life Discover the best way to fact check AI generated content to avoid errors and hallucinations Anyone using ChatGPT to enhance their work whether for professional or personal use will get better results with ChatGPT For Dummies      **Proceedings of IAC 2024 in Prague** Group of Authors,2024-03-21 International Academic Conferences Teaching Learning and E learning IAC TLEl Management Economics and Marketing IAC MEM      Human Interaction & Emerging Technologies (IHIET-AI 2023): Artificial Intelligence & Future Applications Tareq Ahram and Redha Taiar,2023-04-13 Human Interaction Emerging Technologies Artificial Intelligence Future Applications Proceedings of the 9th International Conference on Human Interaction and Emerging Technologies IHIET AI 2023 April 13 15 2023 Lausanne Switzerland      *Interactive Storytelling* Lissa Holloway-Attaway,John T. Murray,2023-10-30 This two volume set LNCS 14383 and LNCS 14384 constitutes the refereed proceedings of the 16th International Conference on Interactive Digital Storytelling ICIDS 2023 held in Kobe Japan during November 11 15 2023 The 30 full papers presented in this book together with 11 short papers were carefully reviewed and selected from 101 submissions Additionally the proceedings includes 22 Late Breaking Works The papers focus on topics such as theory history and foundations social and cultural contexts tools and systems interactive narrative design virtual worlds performance games and play applications and case studies and late breaking works      Testing Software and Systems Silvia Bonfanti,George Angelos Papadopoulos,2025-09-15 This book constitutes the refereed proceedings of the 37th IFIP WG 6 1 International Conference on Testing Software and Systems ICTSS 2025 held in Limassol Cyprus during September 17 19 2025 The 19 full papers and 4 short papers included in this book were carefully reviewed and selected from 38 submissions They were organized in topical sections as follows Foundations and Advanced Testing Techniques Intelligent and Automated Testing LLMs Agents and AI Driven Testing Testing in Complex and Security Critical Systems      Parlay Betting Strategy Joseph Ejike Ojih, What if turning 10 into 1 000 wasn t blind luck but a calculated system This book pulls back the curtain on parlay betting and reveals how ChatGPT can be used as a powerful analytical partner Instead of guessing winners or chasing hype readers learn

how to use AI prompts to analyze odds expose the house edge simulate outcomes and build smarter parlays step by step Written in a fast paced eye opening style the book blends psychology probability and real betting scenarios to show why most bettors lose and how disciplined thinkers can survive longer and think clearer This is not a promise of easy money It is a blueprint for betting with brains instead of emotions Once you read it you will never look at parlays the same way again

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*Intelligent Systems and Applications* Kohei Arai,2024-07-30 This volume is a collection of meticulously crafted insightful and state of the art papers presented at the Intelligent Systems Conference 2024 held in Amsterdam The Netherlands on 5 6 September 2024 The conference received an overwhelming response with a total of 535 submissions After a rigorous double blind peer review process 181 papers were selected for presentation These papers span a wide range of scientific topics including Artificial Intelligence Computer Vision Robotics Intelligent Systems and more We hope that readers find this volume both interesting and valuable Furthermore we expect that the conference and its proceedings will inspire further research and technological advancements in these critical areas of study Thank you for engaging with this collection of works from the Intelligent Systems Conference 2024 Your interest and support contribute significantly to the ongoing progress and innovation in the field of intelligent systems     *Technofeminist Resistance* Christina Grammatikopoulou,2026-03-19 Looks at feminist resistance in the physical and digital space exploring strategies and aesthetics that express dissent as well as subversive uses of technology that support gender equality     Python X ChatGPT○○○○○○○○○○○○step by step ○○○○,2024-06-02 ChatGPT Python Python Python Data Mining App Python Python ChatGPT Python Python 2D Turtle Graphics OX Unity 3D     ○○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 **Benny the Blue Whale** Andy Stanton,2023-11-02 AI is changing the world at frightening speed A bestselling author decides to find out more Something profound and utterly brilliant is going on hilarious THE TIMES Is ChatGPT the end of creative industries as we know them An ethical quagmire from which there is no return A threat to all our jobs as we keep hearing on the news Bestselling children s author Andy Stanton has made a career out of writing differently from the unconventional hero of his bestselling Mr Gum series to his penchant for absurdist plots his children s books are anything but formulaic When a friend introduces him to ChatGPT the new large language chatbot Andy is as sceptical as he is curious Can this jumble of algorithms really mimic the spontaneity of human thought Could it one day replace human authors like him for good And are we soon to be ruled over by despotic robot overlords He decides there s only one thing for it he must test this bot s capabilities Eventually he settles on a prompt that will push the algorithm to its creative limits tell me a story about a blue whale with a tiny penis Chaos ensues What follows is a surprising and illuminating battle between Andy and ChatGPT that maybe just maybe might help us all understand AI a little bit better Join Andy and his beleaguered AI lackey on a rollicking metafictional journey through the art of storytelling Presenting his prompts and the AI generated narrative alongside extensive commentary Stanton provides a startling paean to the art of a good story and boundless human creativity Hopeful and hilarious Benny the Blue Whale provides a joyfully anarchic meditation on AI literature and why we write A WATERSTONES AND NEW SCIENTIST BEST BOOK OF 2023 There s no book like it Scholarly childish fascinating and hilarious one of our funniest writers dissects what it takes to build a story and what that tells us about being human It ll really make you think if you can stop laughing Chris Addison co creator of BREEDERS Entertaining and alarmingly relevant provocative and philosophically satisfying it s ultimately a profoundly human text OBSERVER A magnificent experiment by a perfect fool deep and shallow and stupid and clever the perfect use of AI Andy Intelligence Robin Ince author of THE IMPORTANCE OF BEING INTERESTED Benny the Blue Whale is many things It s a fascinating discourse on the nature of language and storytelling It s a philosophical treatise on the possibilities of artificial intelligence It s a receptacle for obscenely hilarious jokes A brilliant and beautiful cyborg part human brain part computational muscle It s a post post modern work of genius Anthony McGowan Carnegie Medal winning author of LARK Natural Language Processing in Action, Second Edition Hobson Lane,Maria Dyshel,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

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**Artificial Intelligence: From Zero To Practical Use** Kael Novera,2025-11-04 Artificial Intelligence is no longer the future it is the present In this accessible and engaging guide Kael Novera takes readers on a journey that transforms curiosity into practical knowledge In a clear and human way the book explains what AI is how it came about how it works and how to apply it in everyday life even if you have never used it before Using simple language and real life examples the author shows how AI is changing careers businesses and habits revealing essential tools such as ChatGPT Midjourney Copilot and more Throughout the chapters readers learn how to use technology to increase productivity stimulate creativity and create new opportunities without needing to know how to program More than a technical manual this is a guide to personal and professional transformation teaching you how to think smart in the digital age Master AI practice and see real results Because the future isn t about replacing people with machines it s about expanding what people are capable of doing with them **How A.I. Can Regain Humanity Within the GRIND** Jonathan Kelly,2025-12-19 Explore how people can develop a human centred mindset towards embracing AI to navigate and escape the GRIND Culture so often evidenced We re more productive than ever yet less fulfilled More connected than ever yet more alone More optimized than ever yet less HUMAN

This book is seriously intelligent yet deeply HUMAN The future is not written in code It s written in CHARACTER This book is for teens educators CEOs of business and technology companies and for everyone interested in AI Dr Jonathan Guy Kelly is an educator and technologist with unique dual perspectives With 20 years experience and an MBA Dr Kelly brings unique dual perspective to human centred technology **Contemporary Business** Louis E. Boone,David L. Kurtz,Daniel Pfaltzgraf,2024-08-14 Student friendly engaging and accessible Contemporary Business 20e equips students with the skills to assess and solve today s global business challenges and succeed in a fast paced environment Designed to drive interest in business our newest edition offers a comprehensive approach to the material including a variety of resources to support today s students Its modern approach wealth of videos relevant and up to date content and career readiness resources keep your course current and engaging **Adolescent Literacy** Shea Kerkhoff,2026-03-19 This book empowers teachers across content areas to help adolescents become critical creative and confident readers and writers Blending sociocognitive research and innovative strategies the book shows how to foster inclusive literacy instruction student agency and meaningful engagement in today s literacy rich world **Using OpenAI's ChatGPT as a Search Engine: A Step-by- Step Guide** Ketan Raval,2024-11-12 In a world where information is at our fingertips harnessing the power of artificial intelligence has transformed how we learn and explore Using ChatGPT as a Search Engine A Step by Step Guide is a practical and enlightening resource that empowers readers to make the most of OpenAI s groundbreaking technology This book demystifies ChatGPT showing how anyone from students and professionals to lifelong learners can use this AI to find information get quick explanations and even explore complex topics with ease Through clear instructions and hands on examples author Ketan Raval takes readers on a journey to unlock ChatGPT s potential turning it into a conversational tool for research creativity and problem solving This guide doesn t just show how to use AI it teaches you how to ask the right questions structure your searches and dig deeper into any subject with confidence Whether you re new to AI or looking to sharpen your digital skills Using ChatGPT as a Search Engine is an essential companion for anyone eager to explore a smarter way of learning This guide is more than a manual it s an invitation to engage with the future of knowledge discovery

Inteligência Artificial: Do Zero Ao Uso Prático Kael Novera,2025-11-04 A Intelig ncia Artificial j n o o futuro o presente Neste guia acess vel e envolvente Kael Novera conduz o leitor em uma jornada que transforma curiosidade em conhecimento pr tico De forma clara e humana o livro explica o que IA como ela surgiu como funciona e como aplic la no dia a dia mesmo que voc nunca tenha usado uma antes Com linguagem simples e exemplos reais o autor mostra como a IA est mudando carreiras neg cios e h bitos revelando ferramentas essenciais como ChatGPT Midjourney Copilot e muito mais Ao longo dos cap tulos o leitor aprende a usar a tecnologia para aumentar produtividade estimular a criatividade e criar novas oportunidades sem precisar saber programar Mais do que um manual t cnico este um guia de transforma o pessoal e profissional que ensina a pensar de forma inteligente na era digital Domine a IA pratique e veja resultados reais Porque o

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**Table of Contents Chatgpt Compare**

1. Understanding the eBook Chatgpt Compare
   - The Rise of Digital Reading Chatgpt Compare
   - Advantages of eBooks Over Traditional Books
2. Identifying Chatgpt Compare
   - Exploring Different Genres
   - Considering Fiction vs. Non-Fiction
   - Determining Your Reading Goals
3. Choosing the Right eBook Platform
   - Popular eBook Platforms
   - Features to Look for in an Chatgpt Compare
   - User-Friendly Interface
4. Exploring eBook Recommendations from Chatgpt Compare
   - Personalized Recommendations
   - Chatgpt Compare User Reviews and Ratings
   - Chatgpt Compare and Bestseller Lists
5. Accessing Chatgpt Compare Free and Paid eBooks

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