

Giant Language Model Test Room



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Giant Language Model Test Room: Evaluating the Capabilities of LLMs

Are you fascinated by the rapidly evolving world of artificial intelligence, specifically giant language models (GLMs)? Do you want to understand how these powerful tools are evaluated and their capabilities rigorously tested? Then you've come to the right place. This comprehensive guide dives deep into the concept of a "giant language model test room," exploring the various methods, metrics, and considerations involved in assessing the performance and potential of these sophisticated AI systems. We'll demystify the process, providing you with a clear understanding of how these powerful technologies are evaluated and the implications for their future development.

Understanding the Need for a Giant Language Model Test Room

Giant language models, like GPT-3 and others, are incredibly complex systems capable of generating human-quality text, translating languages, and answering questions in an informative way. However, their capabilities aren't uniformly excellent across all tasks. A dedicated "giant language model test room" is crucial for several reasons:

Identifying Strengths and Weaknesses: A structured testing environment helps pinpoint where the model excels and where it falls short. This information is vital for developers to improve the model's performance and address biases or limitations.

Benchmarking Progress: A standardized testing framework allows for objective comparisons between different GLMs, tracking their progress over time and facilitating informed decisions about which models are best suited for specific applications.

Ensuring Safety and Reliability: Thorough testing is crucial to identify potential risks and biases embedded within the model, ensuring its responsible deployment and preventing harmful outputs.

Guiding Future Development: Insights gathered from testing directly inform the design and development of future GLMs, pushing the boundaries of AI capabilities and improving their usefulness.

Methods Employed in a Giant Language Model Test Room

The evaluation of GLMs isn't a one-size-fits-all process. A comprehensive testing strategy employs various methods, including:

Benchmark Datasets: Standardized datasets containing diverse text samples and tasks are used to evaluate the model's performance across various domains. Examples include GLUE, SuperGLUE, and SQuAD, each focusing on specific aspects of language understanding.

Human Evaluation: While automated metrics provide valuable quantitative data, human evaluation is essential to assess aspects like fluency, coherence, and the overall quality of the generated text. Human evaluators can identify subtle nuances missed by automated systems.

Adversarial Testing: This method intentionally tries to "break" the model by feeding it unusual or unexpected inputs to reveal its vulnerabilities and biases. This is crucial for identifying potential safety issues.

Specific Task Evaluation: Depending on the intended application, GLMs are tested on specific tasks, such as machine translation, question answering, text summarization, or code generation. The evaluation metrics are tailored to the specific task.

Key Metrics Used in Assessing GLM Performance

Several metrics are used to quantitatively assess the performance of GLMs within the test room environment:

Accuracy: Measures the percentage of correct answers or predictions made by the model.

Precision and Recall: These metrics are particularly relevant for tasks like information retrieval and classification. Precision measures the accuracy of positive predictions, while recall measures the model's ability to identify all positive instances.

F1-Score: A harmonic mean of precision and recall, providing a balanced measure of performance.

BLEU Score: Often used in machine translation, BLEU scores measure the similarity between the model's output and human-translated texts.

ROUGE Score: A metric used for evaluating the quality of text summarization.

Building a Robust Giant Language Model Test Room: Considerations and Challenges

Creating an effective test room requires careful planning and consideration:

Dataset Selection: The choice of benchmark datasets is crucial. They should be representative of the intended application and reflect the diversity of real-world language use.

Metric Selection: The choice of metrics should align with the specific task and the overall goals of the evaluation. A single metric rarely captures the full picture.

Bias Detection and Mitigation: Testing should explicitly focus on identifying and mitigating biases present in the model, ensuring fairness and equity.

Scalability and Automation: Efficient testing requires scalable infrastructure and automated processes to handle the vast amounts of data generated.

Conclusion

The "giant language model test room" is an essential component in the development and deployment of these powerful AI systems. By employing a combination of standardized datasets, automated metrics, and human evaluation, we can gain a comprehensive understanding of GLM capabilities, identify areas for improvement, and ensure their responsible and beneficial use. Continuous testing and evaluation are vital for the ongoing progress and refinement of GLMs, ensuring they remain reliable and safe tools for a wide range of applications.

FAQs

1. What is the difference between a giant language model and a regular language model? Giant language models are significantly larger and more complex than regular language models, possessing vastly more parameters and training data, leading to superior performance on various tasks.
2. Are there any ethical considerations associated with giant language model testing? Absolutely. Testing needs to address potential biases, ensure fairness, and prevent the creation or perpetuation of harmful stereotypes or misinformation.
3. How often should giant language models be retested? Regular retesting is crucial, especially as the model is updated or new applications emerge. The frequency depends on the model's usage and the rate of its evolution.
4. What are some of the limitations of current giant language model testing methods? Current methods can struggle to capture nuances of human language, creativity, and common sense reasoning. Furthermore, evaluating aspects like ethical implications remains a challenge.
5. What is the future of giant language model test rooms? The future likely involves more sophisticated testing methods that incorporate advanced techniques for bias detection, explainability, and evaluation of broader cognitive abilities beyond simple accuracy metrics.

giant language model test room: Large Language Models Oswald Campesato, 2024-10-02

This book begins with an overview of the Generative AI landscape, distinguishing it from conversational AI and shedding light on the roles of key players like DeepMind and OpenAI. It then reviews the intricacies of ChatGPT, GPT-4, and Gemini, examining their capabilities, strengths, and competitors. Readers will also gain insights into the BERT family of LLMs, including ALBERT, DistilBERT, and XLNet, and how these models have revolutionized natural language processing. Further, the book covers prompt engineering techniques, essential for optimizing the outputs of AI models, and addresses the challenges of working with LLMs, including the phenomenon of hallucinations and the nuances of fine-tuning these advanced models. Designed for software developers, AI researchers, and technology enthusiasts with a foundational understanding of AI, this book offers both theoretical insights and practical code examples in Python. Companion files with code, figures, and datasets are available for downloading from the publisher.

giant language model test room: *As If Human* Nigel Shadbolt, Roger Hampson, 2024-05-14 A new approach to the challenges surrounding artificial intelligence that argues for assessing AI actions as if they came from a human being Intelligent machines present us every day with urgent ethical challenges. Is the facial recognition software used by an agency fair? When algorithms determine questions of justice, finance, health, and defense, are the decisions proportionate, equitable, transparent, and accountable? How do we harness this extraordinary technology to empower rather than oppress? Despite increasingly sophisticated programming, artificial intelligences share none of our essential human characteristics—sentience, physical sensation, emotional responsiveness, versatile general intelligence. However, Nigel Shadbolt and Roger Hampson argue, if we assess AI decisions, products, and calls for action as if they came from a human being, we can avert a disastrous and amoral future. The authors go beyond the headlines about rampant robots to apply established moral principles in shaping our AI future. Their new framework constitutes a how-to for building a more ethical machine intelligence.

giant language model test room: *Reimagining Intelligent Computer-Assisted Language Education* Stevkovska, Marija, Klemenich, Marijana, Kavakl? Uluta?, Nurdan, 2024-10-18 Reimagining language education through intelligent technologies and computer assistance marks a shift in how we approach language learning in the digital age. With advancements in artificial intelligence and machine learning, there is potential to transform traditional methods into personalized educational experience. Intelligent systems now offer adaptive learning pathways that cater to individual proficiency levels, learning styles, and progress rates, making language education more accessible and effective. These technologies beg further exploration to effectively provide real-time feedback and support, creating a more engaging and responsive educational experience. Reimagining Intelligent Computer-Assisted Language Education explores fundamental aspects of educational technology to improve language teaching and learning. It reimagines educational practice for language teaching and learning through the integration of educational technology for making the language teaching and learning process more efficient and engaging, while improving learner performance and progress. This book covers topics such as artificial intelligence, language education, and academic writing, and is a useful resource for education professionals, language learners, computer engineers, academicians, scientists, and researchers.

giant language model test room: Python 3 Data Visualization Using ChatGPT / GPT-4 Oswald Campesato, 2023-12-12 This book is designed to show readers the concepts of Python 3 programming and the art of data visualization. It also explores cutting-edge techniques using ChatGPT/GPT-4 in harmony with Python for generating visuals that tell more compelling data stories. Chapter 1 introduces the essentials of Python, covering a vast array of topics from basic data types, loops, and functions to more advanced constructs like dictionaries, sets, and matrices. In Chapter 2, the focus shifts to NumPy and its powerful array operations, leading into data visualization using prominent libraries such as Matplotlib. Chapter 6 includes Seaborn's rich visualization tools, offering insights into datasets like Iris and Titanic. Further, the book covers other visualization tools and techniques, including SVG graphics, D3 for dynamic visualizations, and more.

Chapter 7 covers information about the main features of ChatGPT and GPT-4, as well as some of their competitors. Chapter 8 contains examples of using ChatGPT in order to perform data visualization, such as charts and graphs that are based on datasets (e.g., the Titanic dataset). Companion files with code, datasets, and figures are available for downloading. From foundational Python concepts to the intricacies of data visualization, this book is ideal for Python practitioners, data scientists, and anyone in the field of data analytics looking to enhance their storytelling with data through visuals. It's also perfect for educators seeking material for teaching advanced data visualization techniques. FEATURES Explores cutting-edge techniques using ChatGPT/GPT-4 in harmony with Python for generating visuals that tell more compelling data stories Contains detailed tutorials that guide you through the creation of complex visuals Tackles actual data scenarios and builds your expertise as you apply learned concepts to real datasets Features data manipulation and cleaning with Pandas to prepare flawless datasets ready for visualization Includes companion files with source code, data sets, and figures

giant language model test room: GPT-4 For Developers Oswald Campesato, 2024-01-30 This resource is designed to bridge the gap between theoretical understanding and practical application, making it a useful tool for software developers, data scientists, AI researchers, and tech enthusiasts interested in harnessing the power of GPT-4 in Python environments. The book contains an assortment of Python 3.x code samples that were generated by ChatGPT and GPT-4. Chapter 1 provides an overview of ChatGPT and GPT-4, followed by a chapter which contains Python 3.x code samples for solving various programming tasks in Python. Chapter 3 contains code samples for data visualization, and Chapter 4 contains code samples for linear regression. The final chapter covers visualization with Gen AI (Generative AI) and DALL-E. Companion files with source code and figures are available for downloading. FEATURES Offers an all-encompassing view of ChatGPT and GPT-4, from basics to advanced topics, including functionalities, capabilities, and limitations Contains Python 3.x code samples demonstrating the application of GPT-4 in real-world scenarios Provides a forward-looking perspective on Generative AI and its integration with data visualization and DALL-E Includes companion files with source code, data sets, and figures

giant language model test room: CSS3 and SVG with GPT-4 Oswald CAMPESATO, 2024-07-14 This book is designed to equip you with the knowledge and skills necessary to navigate the intersection of web development and artificial intelligence (AI). It covers various aspects of modern web development and AI technologies, with a particular emphasis on Generative AI, CSS3, SVG, JavaScript, HTML, and popular web features like 3D animations and gradients. By exploring these topics, readers will gain a deeper understanding of how AI can enhance web development processes and how to leverage AI models like GPT-4 to streamline development workflows. Web developers, UI/UX designers, and software engineers seeking to blend traditional web development skills with the latest AI technologies will find this book to be a valuable resource.

giant language model test room: Transformer, BERT, and GPT3 Oswald Campesato, 2023-11-21 This book provides a comprehensive group of topics covering the details of the Transformer architecture, BERT models, and the GPT series, including GPT-3 and GPT-4. Spanning across ten chapters, it begins with foundational concepts such as the attention mechanism, then tokenization techniques, explores the nuances of Transformer and BERT architectures, and culminates in advanced topics related to the latest in the GPT series, including ChatGPT. Key chapters provide insights into the evolution and significance of attention in deep learning, the intricacies of the Transformer architecture, a two-part exploration of the BERT family, and hands-on guidance on working with GPT-3. The concluding chapters present an overview of ChatGPT, GPT-4, and visualization using generative AI. In addition to the primary topics, the book also covers influential AI organizations such as DeepMind, OpenAI, Cohere, Hugging Face, and more. Readers will gain a comprehensive understanding of the current landscape of NLP models, their underlying architectures, and practical applications. Features companion files with numerous code samples and figures from the book. FEATURES: Provides a comprehensive group of topics covering the details of the Transformer architecture, BERT models, and the GPT series, including GPT-3 and GPT-4.

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giant language model test room: Python 3 and Machine Learning Using ChatGPT/GPT-4 Oswald Campesato, 2024-06-17 This book is designed to bridge the gap between theoretical knowledge and practical application in the fields of Python programming, machine learning, and the innovative use of ChatGPT-4 in data science. The book is structured to facilitate a deep understanding of several core topics. It begins with a detailed introduction to Pandas, a cornerstone Python library for data manipulation and analysis. Next, it explores a variety of machine learning classifiers from kNN to SVMs. In later chapters, it discusses the capabilities of GPT-4, and how its application enhances traditional linear regression analysis. Finally, the book covers the innovative use of ChatGPT in data visualization. This segment focuses on how AI can transform data into compelling visual stories, making complex results accessible and understandable. It includes material on AI apps, GANs, and DALL-E. Companion files are available for downloading with code and figures from the text.

giant language model test room: Web Information Systems Engineering - WISE 2023 Feng Zhang, Hua Wang, Mahmoud Barhamgi, Lu Chen, Rui Zhou, 2023-10-21 This book constitutes the proceedings of the 24th International Conference on Web Information Systems Engineering, WISE 2023, held in Melbourne, Victoria, Australia, in October 2023. The 33 full and 40 short papers were carefully reviewed and selected from 137 submissions. They were organized in topical sections as follows: text and sentiment analysis; question answering and information retrieval; social media and news analysis; security and privacy; web technologies; graph embeddings and link predictions; predictive analysis and machine learning; recommendation systems; natural language processing (NLP) and databases; data analysis and optimization; anomaly and threat detection; streaming data; miscellaneous; explainability and scalability in AI.

giant language model test room: Proceedings of International Conference on Recent Innovations in Computing Zoltán Illés,

giant language model test room: Java Basics Using ChatGPT/GPT-4 Oswald Campesato, 2023-12-28 This book is designed for those new to Java and interested in understanding how ChatGPT/GPT-4 can enhance programming. It offers a unique approach to learning Java, combining

traditional hand-written code with cutting-edge ChatGPT-generated examples. The book covers the basics of Java programming and development environments, including understanding recursion, strings, arrays, fundamental data structures, algorithm analysis, queues and stacks, and follows with the role of ChatGPT in generating, explaining, and debugging code. Companion files with source code and figures available for downloading. It's an essential resource for those starting Java programming and for anyone curious about the applications of ChatGPT in coding. FEATURES Combines hand-crafted Java code with ChatGPT-generated examples for a multifaceted learning experience Offers practical Java coding skills, with examples in recursion, data structures, and algorithm analysis Covers the capabilities of ChatGPT for code generation, debugging, and explanation, providing a modern perspective on programming Includes companion files for downloading with source code and figures

giant language model test room: Steering AI and advanced ICTs for knowledge societies
Xianhong Hu, Neupane, Bhanu, Echaiz, Lucia Flores, Sibal, Prateek, Rivera Lam, Macarena,
2019-11-28

giant language model test room: Управление развитием и использованием искусственного интеллекта и передовых информационно-коммуникационных технологий в интересах обществ, основанных на знаниях UNESCO, 2020-08-08

giant language model test room: Технологии, методы и инструменты войн XXI века
Анатолий Белоус, 2023-07-20 Книга посвящена исследованию актуальной проблемы эволюции технологий, стратегий, методов и инструментов ведения современных войн. Детально, на конкретных примерах рассмотрены технологии, методы и инструменты ведения таких типов войн, как гибридные, информационные, прокси-войны и «серые зоны», когнитивные войны и их базовый инструмент – нейронное (психотропное) оружие, различные типы кибероружия. Монография представляет большой интерес не только для ученых-исследователей, но и для практических специалистов, работающих по данной линии в органах государственной власти, Вооруженных Силах и спецслужбах.

giant language model test room: c't ChatGPT & Co. c't-Redaktion, 2023-05-17 Entdecken Sie im neuen Sonderheft c't ChatGPT & Co. die faszinierende Welt der KI. Wir geben Ihnen einen umfassenden Überblick über die neusten Entwicklungen, Testergebnisse und praktischen Tipps. Von ChatGPT als Schreibhelfer über KI-Suchmaschine bis hin zu Musik- und Bildgeneratoren – erfahren Sie, was bereits funktioniert und wo noch Potenzial zur Verbesserung besteht. Tauchen Sie ein und lassen Sie sich von der Zukunft der KI inspirieren!

giant language model test room: Self-Help to ICSE Model Test Papers English Language 9
Panel of Authors, It includes Specimen Paper (Solved), 10 Solved Model Test Papers and 5 Unsolved Model Test Papers.

giant language model test room: Wenn der Computer zum Künstler wird Mathias Liegmal, 2020-08-09 Algorithmen können auf Grundlage von Kundendaten messerscharf analysieren, wie eine Erfolg versprechende Geschichte verfasst wird, wie der perfekte Chart-Hit aufgebaut sein muss oder wie ein Blockbuster-Drehbuch auszusehen hat. Künstliche Intelligenz ist obendrein dazu in der Lage, diese Anforderungen auch direkt umzusetzen und zum Beispiel Bilder zu malen oder Songs zu komponieren – der Computer wird zum aktiven Künstler! Doch ist das noch Kunst? Wird der Retorten-Mainstream das menschliche Schaffen verdrängen? Mathias Liegmal beschreibt, mit welchen Umwälzungen der gesamte Kreativbereich durch den Einzug der KI rechnen muss.

giant language model test room: Goyal's ICSE English Language Specimen Question Bank with Model Test Papers Class 10 for 2024 Examination Goyal Brothers Prakashan, 2023-05-23
Goyal's ICSE English Language Specimen Question Bank with Model Test Papers Class 10 for 2024 Examination ICSE EXAMINATION PAPER 2023 (SOLVED) SPECIMEN QUESTION PAPER (SOLVED) for Annual Examination 15 UNSOLVED MODEL TEST PAPERS for Annual Examination to be held in February-March, 2024 QR CODES to access solutions of Unsolved Model Test Papers PAPER 1 - ENGLISH LANGUAGE (Two Hours) • 80 Marks All questions will be compulsory. Question 1.

Candidates will be required to write a composition of about 300-350 words from a choice of subjects which will test their ability to: organise, describe, narrate, report, explain, persuade or argue, present ideas coherently with accuracy and precision, compare and contrast ideas and arrive at conclusions, present relevant arguments and use correct style and format. The subjects will be varied and may be suggested by language or by other stimuli such as pictures. The subjects will be so chosen so as to allow the candidates to draw on first-hand experience or to stimulate their imagination. With one subject, a number of suggestions about the content of the composition will be given, but the use of the suggestions will be optional and a candidate will be free to treat the subject in any way that he/she chooses. The organisation of subject matter, syntax, punctuation, correctness of grammatical constructions and spelling will be expected to be appropriate to the mode of treatment required by the subject. Question 2. Candidates will have to write a letter from a choice of two subjects requiring either a formal or an informal mode of treatment. Suggestions regarding the content of the letter may be given. The layout of the letter with address, introduction, conclusion, etc., will form part of the assessment. Special attention must be paid to the format of the letter with emphasis on vocabulary appropriate to the context. Question 3. Candidates will be given a specific situation and will be required to: (a) Write the text for a notice based on given directions. (b) Write an e-mail on the same content as the notice. Question 4. An unseen prose passage of about 450 words will be given. Uncommon items of vocabulary, or structure will be avoided. One question will be set to test vocabulary. Candidates will be required to show an understanding of the words/phrases in the context in which they have been used. A number of questions requiring short answers will also be asked on the passage. These questions will test the candidates' ability to comprehend the explicit content and organisation of the passage and to infer information, intention and attitude from it. There will be a summary question that will test the candidates' ability to distinguish main ideas from supporting details and to extract salient points to re-write them in the form of a summary. Candidates will be given clear indications of what they are to summarise and of the length of the summary. Question 5. There will be a number of short answer questions to test the candidates' knowledge of functional grammar, structure and use of the language. All the items in this question will be compulsory. They will consist of correct use of prepositions, verbs and transformation of sentences.

giant language model test room: El Aporte de la Inteligencia Artificial y las TIC Avanzadas a las Sociedades del Conocimiento Echaiz, Lucia Flores, Neupane, Bhanu, Rivera Lam, Macarena, Sibai, Prateek, UNESCO, Xianhong Hu, 2021-10-31

giant language model test room: Direito, novas tecnologias e desenvolvimento Paulo Roberto Barbosa Ramos, Márcia Haydée Porto de Carvalho, Edith Maria Barbosa Ramos, 2024-01-31 O objetivo da presente obra é oferecer um conjunto de reflexões sobre o admirável mundo novo em que estamos vivendo e os impactos provocados na garantia dos direitos fundamentais, os quais ainda constituem uma barreira para o potencial inesgotável dos avanços tecnológicos, os quais, sem os cuidados necessários, podem tornar os seres humanos elementos secundários de toda uma nova dinâmica social, expressão que usamos na falta de uma outra que dê conta do atual movimento histórico criado pelo homem mas que possui grande potencial de subtraí-lo da condição de protagonista. Ora, caso os avanços tecnológicos não estejam a serviço dos seres humanos, por meio da criação de condições cada vez mais facilitadoras da libertação dos obstáculos ao desenvolvimento existencial com dignidade, tanto mais os exponenciais avanços tecnológicos serão opressores, expressados muito comumente pela obtenção sem controle de dados pessoais dos indivíduos, sem contar com as grandes transformações que acarretam no mercado de trabalho, eliminando da inclusão social milhares de pessoas que não conseguem acompanhar as rápidas mudanças em todas as esferas da engenharia social.

giant language model test room: The Promises of Giants John Amaechi, 2021-07-22 --THE SUNDAY TIMES HARDBACK NON-FICTION & BUSINESS BESTSELLER-- --PORCHLIGHT BUSINESS BOOK AWARDS 2021: BEST BUSINESS BOOK IN THE LEADERSHIP & STRATEGY CATEGORY-- --SHORTLISTED FOR THE BUSINESS BOOK AWARDS 2022-- THIS IS ONE OF THE

MOST POWERFUL BOOKS EVER WRITTEN ABOUT LEADERSHIP. Adam Grant, #1 New York Times bestselling author of THINK AGAIN and host of the TED podcast WorkLife **THE MOST UNLIKELY OF PEOPLE, IN THE MOST IMPROBABLE OF CIRCUMSTANCES, CAN BECOME EXTRAORDINARY.** From socio-political chaos and workplace disruption to the climate change crisis, we have never needed people with the skill and will to collaborate to create a better world more than now. We need people who are willing to fill the leadership void. People who will embrace the influence they have. People who believe in improving society and workplace culture - not only because it makes life better, but because it is proven to yield positive results. We need more leaders. The Promises of Giants is a challenge to anyone who aspires to make a difference in their environment. Over fourteen promises, it seamlessly intertwines personal anecdotes and workplace and social observation with the latest research, to provide practical, proven tips and strategies to empower you to maximize your own potential and inspire others. It is not a self-help book. It is a how-to guide for winning, rooted in the belief that the most unlikely of people, in the most improbable of circumstances, can become extraordinary. John Amaechi well understands the responsibilities and potential that come with being a giant. The Promises of Giants is the product of a lifetime spent observing and studying effective leadership - from accompanying his mother's visits to her dying patients to competing at the highest levels of professional sport, through two decades of management consulting with multinational corporations. These experiences have shown that everyone has the ability to act decisively to influence the world in a positive way. Everyone is a giant to someone.

giant language model test room: Investigación en ciberseguridad Manuel A. Serrano, Eduardo Fernández-Medina, Cristina Alcaraz, Noemí de Castro, Guillermo Calvo, 2021-06-09 Estas jornadas se han convertido en un foro de encuentro de los actores más relevantes en el ámbito de la ciberseguridad en España. En ellas, no sólo se presentan algunos de los trabajos científicos punteros en las diversas áreas de ciberseguridad, sino que se presta especial atención a la formación e innovación educativa en materia de ciberseguridad, y también a la conexión con la industria, a través de propuestas de transferencia de tecnología. Tanto es así que, este año se presentan en el Programa de Transferencia algunas modificaciones sobre su funcionamiento y desarrollo que han sido diseñadas con la intención de mejorarlo y hacerlo más valioso para toda la comunidad investigadora en ciberseguridad.

giant language model test room: Crying in H Mart Michelle Zauner, 2021-04-20 #1 NEW YORK TIMES BESTSELLER • From the indie rock sensation known as Japanese Breakfast, an unforgettable memoir about family, food, grief, love, and growing up Korean American—"in losing her mother and cooking to bring her back to life, Zauner became herself" (NPR). • CELEBRATING OVER ONE YEAR ON THE NEW YORK TIMES BESTSELLER LIST In this exquisite story of family, food, grief, and endurance, Michelle Zauner proves herself far more than a dazzling singer, songwriter, and guitarist. With humor and heart, she tells of growing up one of the few Asian American kids at her school in Eugene, Oregon; of struggling with her mother's particular, high expectations of her; of a painful adolescence; of treasured months spent in her grandmother's tiny apartment in Seoul, where she and her mother would bond, late at night, over heaping plates of food. As she grew up, moving to the East Coast for college, finding work in the restaurant industry, and performing gigs with her fledgling band--and meeting the man who would become her husband--her Koreanness began to feel ever more distant, even as she found the life she wanted to live. It was her mother's diagnosis of terminal cancer, when Michelle was twenty-five, that forced a reckoning with her identity and brought her to reclaim the gifts of taste, language, and history her mother had given her. Vivacious and plainspoken, lyrical and honest, Zauner's voice is as radiantly alive on the page as it is onstage. Rich with intimate anecdotes that will resonate widely, and complete with family photos, Crying in H Mart is a book to cherish, share, and reread.

giant language model test room: Test Gods Nicholas Schmidle, 2021-05-06 'Masterly' New York Times 'Riveting' Scott Kelly 'Remarkable' The Times When Richard Branson founded Virgin Galactic in 2004, his goal was simple: to offer paying customers a trip to space by the end of the

decade. Seventeen years, countless delays, and one catastrophic crash later, his space tourism dream may finally be on the verge of reality. Now, a New Yorker journalist offers the definitive portrait of the adventurers leading the way to the stars. Drawing on hundreds of hours of interviews with Virgin's lead test pilot, Mark Stucky, *Test Gods* describes the making of a modern astronaut: from starry-eyed youth to NASA, the Air Force, and Virgin Galactic; and through dozens of gruelling test flights to his first successful trip beyond the earth's atmosphere. The result is the most vivid exploration of an astronaut's inner life since Tom Wolfe's *The Right Stuff*. It offers an intimate and unique insight into the new space race.

giant language model test room: Escaping the Giant Wave Peg Kehret, 2015-03-17 When an earthquake hits on their family vacation, can Kyle and his sister survive the following tsunami? The Worst Vacation Ever! Thirteen-year-old Kyle thought spending a vacation on the Oregon coast with his family would be great. He'd never flown before, and he's never seen the Pacific Ocean. One evening Kyle is left in charge of his younger sister, BeeBee, while his parents attend an adults-only Salesman of the Year dinner on an elegant yacht. Then the earthquake comes—starting a fire in their hotel! As Kyle and BeeBee fight their way out through smoke and flame, Kyle remembers the sign at the beach that said after an earthquake everyone should go uphill and inland, as far from the ocean as possible. Giant tsunami waves—three or four stories high—can ride in from the sea and engulf anyone who doesn't escape fast enough. Kyle and BeeBee flee uphill as a tsunami crashes over the beach, the hotel, and the town. The giant wave charges straight up the hillside and through the woods where the children are running for their lives. The perfect vacation has become a nightmare! Somehow Kyle and BeeBee have to outwit nature's fury and save themselves from tsunami terror.

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