big picture science podcast

big picture science podcast offers an insightful blend of science, storytelling, and expert analysis that appeals to curious minds worldwide. This podcast dives deep into complex scientific topics, making them accessible and engaging for listeners of all backgrounds. Emphasizing interdisciplinary approaches, the show covers themes ranging from physics and biology to technology and human behavior. Each episode features interviews with leading scientists, thought-provoking discussions, and a thoughtful exploration of how science shapes our understanding of the universe. This article provides an overview of the big picture science podcast, its structure, key features, and why it stands out in the crowded landscape of science media. Readers will also learn about its target audience, notable episodes, and tips on how to get the most out of each broadcast.

- Overview of the Big Picture Science Podcast
- Content and Format
- Hosts and Contributors
- Audience and Popularity
- Notable Episodes and Themes
- How to Access and Listen

Overview of the Big Picture Science Podcast

The big picture science podcast is a long-running science media production known for its commitment to exploring large-scale scientific questions and ideas. It is produced by a dedicated team that aims to bridge the gap between complex scientific research and everyday understanding. Since its inception, the podcast has built a reputation for delivering content that is both intellectually stimulating and entertaining. Unlike many other science podcasts that focus on niche topics, big picture science takes a holistic approach, examining how different scientific disciplines interconnect and influence each other.

Purpose and Mission

The core mission of the big picture science podcast is to encourage scientific curiosity and critical thinking among its listeners. It seeks to demystify scientific concepts and present them in a manner that is both accurate and engaging. By doing so, the podcast fosters a better appreciation for science as a critical tool in addressing global challenges and understanding the natural world.

History and Development

Since its launch, the podcast has evolved in both scope and production quality. Initially focused on straightforward interviews and discussions, it has expanded to include narrative storytelling, thematic series, and interactive segments. This evolution reflects the producers' efforts to keep the content fresh and relevant to a diverse audience.

Content and Format

The format of each episode in the big picture science podcast is carefully designed to balance depth with accessibility. Episodes typically last between 30 to 60 minutes, providing ample time to explore topics thoroughly without overwhelming listeners. The content blends interviews, expert panels, and narrative segments to create a dynamic listening experience.

Episode Structure

Each episode usually begins with an introduction to the topic, followed by in-depth discussions or interviews with subject matter experts. The podcast often integrates listener questions or comments, making the experience interactive. The closing segment may include a summary or a teaser for upcoming episodes.

Range of Topics

The podcast’s subject matter spans a wide array of scientific fields. Common themes include:

- Astrophysics and cosmology
- Evolutionary biology
- Neuroscience and psychology
- Environmental science and climate change
- Technological innovation and artificial intelligence
- Philosophy of science and scientific methodology

Hosts and Contributors

The credibility and appeal of the big picture science podcast are significantly enhanced by its knowledgeable hosts and expert contributors. The hosts are skilled communicators with backgrounds in science journalism and education, ensuring the content is both accurate and engaging.

Main Host

The primary host guides listeners through each episode, providing context and facilitating conversations with guests. Their expertise enables them to translate complex scientific jargon into understandable language without sacrificing nuance.

Guest Experts

The podcast regularly features scientists, researchers, and scholars who are leaders in their respective fields. These guests provide firsthand insights into cutting-edge research and emerging scientific debates, enriching the quality of the programming.

Production Team

Behind the scenes, a dedicated production team handles research, editing, and sound design. Their work ensures that each episode is polished and professional, enhancing listener engagement and retention.

Audience and Popularity

The big picture science podcast attracts a diverse audience ranging from science enthusiasts and students to professionals and educators. Its broad appeal stems from the podcast’s ability to present science in a way that is both intellectually rigorous and accessible.

Listener Demographics

Listeners typically include:

- Undergraduate and graduate students pursuing science-related degrees

- Science educators seeking supplemental teaching materials
- General audiences with an interest in scientific topics
- Professionals in scientific and technical fields

Reception and Awards

The podcast has received positive reviews for its thoughtful content and engaging delivery. It has been recognized by various media outlets and awarded for excellence in science communication, further cementing its status as a reputable source of scientific information.

Notable Episodes and Themes

Several episodes of the big picture science podcast have garnered particular attention for their depth and relevance. These episodes often explore timely scientific issues or present groundbreaking research findings.

Popular Episode Examples

1. An exploration of quantum mechanics and its philosophical implications
2. A detailed discussion on climate change and mitigation strategies
3. The neuroscience of decision-making and human behavior
4. The search for extraterrestrial life and the future of space exploration
5. Advances in artificial intelligence and ethical considerations

Thematic Series

The podcast sometimes produces multi-episode series focused on a particular theme, providing comprehensive coverage and multiple perspectives on complex scientific questions. These series are especially valued by listeners who seek a deeper understanding of specific areas of science.

How to Access and Listen

Accessing the big picture science podcast is straightforward and convenient, catering to the listening preferences of a wide audience. The podcast is distributed across multiple platforms, ensuring easy availability.

Platforms and Availability

The podcast can be streamed or downloaded from popular podcast platforms, including:

- Apple Podcasts
- Spotify
- Google Podcasts
- Stitcher
- The official website of the podcast

Subscription Options

Listeners can subscribe to the podcast to receive automatic updates when new episodes are released. This feature helps maintain engagement and ensures that audiences do not miss the latest content.

Additional Resources

The big picture science podcast also offers supplementary materials such as episode transcripts, show notes, and recommended reading lists. These resources enhance the educational value of the podcast and support further exploration of topics discussed in episodes.

Frequently Asked Questions

What is the Big Picture Science podcast about?

Big Picture Science is a podcast that explores scientific concepts and discoveries through engaging storytelling, interviews with experts, and discussions that connect science to broader cultural and

social issues.

Who hosts the Big Picture Science podcast?

The Big Picture Science podcast is hosted by Seth Shostak, a senior astronomer at the SETI Institute, who brings a passionate and accessible approach to discussing science topics.

How often is the Big Picture Science podcast released?

Big Picture Science typically releases new episodes weekly, offering listeners regular insights into various scientific fields and current research.

Where can I listen to the Big Picture Science podcast?

You can listen to Big Picture Science on major podcast platforms such as Apple Podcasts, Spotify, Google Podcasts, as well as on their official website.

Does the Big Picture Science podcast cover topics outside of astronomy?

Yes, while it often features astronomy and space science topics, Big Picture Science covers a wide range of scientific disciplines including biology, physics, technology, and the social sciences.

Is the Big Picture Science podcast suitable for non-scientists?

Absolutely, the podcast is designed to be accessible and engaging for a general audience, making complex scientific ideas understandable and interesting for listeners without specialized backgrounds.

Are there any special segments or features in the Big Picture Science podcast?

Yes, the podcast often includes segments like expert interviews, science news updates, and listener questions, providing a comprehensive and dynamic listening experience.

Additional Resources

1. *Cosmic Queries: StarTalk's Guide to Who We Are, How We Got Here, and Where We're Going*
This book, inspired by the popular StarTalk podcast, delves into some of the biggest questions about the universe and our place within it. Hosted by Neil deGrasse Tyson, it blends science, humor, and storytelling to explore cosmic phenomena and human curiosity. Readers are taken on a journey from the origins of the universe to the future of space exploration.

2. *A Short History of Nearly Everything*
Bill Bryson's engaging narrative covers a wide range of scientific topics, from the Big Bang to the rise of civilization. The book simplifies complex scientific concepts, making them accessible and entertaining for general readers. It aligns with the big picture approach of understanding science as

a whole.

3. *Astrophysics for People in a Hurry*
Neil deGrasse Tyson presents a concise and witty overview of key concepts in astrophysics. This book is perfect for readers who want to grasp the essentials of the cosmos without getting overwhelmed by technical details. It complements the themes often discussed in big picture science podcasts.

4. *The Immortal Life of Henrietta Lacks*
Rebecca Skloot tells the remarkable story of Henrietta Lacks, whose cells revolutionized medical research. The book combines science, ethics, and human stories, illustrating the broader impact of scientific discovery on society. It reflects the big picture perspective by connecting individual narratives to larger scientific advancements.

5. *Sapiens: A Brief History of Humankind*
Yuval Noah Harari explores the history and evolution of Homo sapiens, examining how biology and culture have shaped human societies. The book takes a panoramic view of human development, from ancient ancestors to modern times. It offers insights into the scientific and social forces that shape our existence.

6. *The Gene: An Intimate History*
Siddhartha Mukherjee provides a comprehensive history of genetics, weaving together science, biography, and ethical questions. The book traces the discovery of the gene and its profound implications for medicine and identity. It broadens understanding of biology's role in the big picture of life.

7. *Pale Blue Dot: A Vision of the Human Future in Space*
Carl Sagan reflects on humanity's place in the universe and the importance of space exploration. Inspired by the iconic photograph of Earth taken from Voyager 1, the book emphasizes humility, curiosity, and stewardship of our planet. It aligns closely with the themes of cosmic perspective found in big picture science.

8. *The Demon-Haunted World: Science as a Candle in the Dark*
Carl Sagan advocates for scientific thinking and skepticism as tools to combat superstition and ignorance. The book encourages readers to embrace rational inquiry and critical thinking. It highlights the significance of science in understanding the world and making informed decisions.

9. *Why We Sleep: Unlocking the Power of Sleep and Dreams*
Matthew Walker explores the science of sleep and its vital role in health and cognition. The book synthesizes research on sleep's impact on memory, creativity, and longevity. It offers a big picture view of how a fundamental biological process influences human life and well-being.

Big Picture Science Podcast

big picture science podcast: Life in the Universe, 5th Edition Jeffrey Bennett, Seth Shostak, Nicholas Schneider, Meredith MacGregor, 2022-05-31 The world's leading textbook on astrobiology—ideal for an introductory one-semester course and now fully revised and updated Are we alone in the cosmos? How are scientists seeking signs of life beyond our home planet? Could we colonize other planets, moons, or even other star systems? This introductory textbook, written by a team of four renowned science communicators, educators, and researchers, tells the amazing story of how modern science is seeking the answers to these and other fascinating questions. They are the questions that are at the heart of the highly interdisciplinary field of astrobiology, the study of life in the universe. Written in an accessible, conversational style for anyone intrigued by the possibilities of life in the solar system and beyond, Life in the Universe is an ideal place to start learning about the latest discoveries and unsolved mysteries in the field. From the most recent missions to Saturn's moons and our neighboring planet Mars to revolutionary discoveries of thousands of exoplanets, from the puzzle of life's beginning on Earth to the latest efforts in the search for intelligent life elsewhere, this book captures the imagination and enriches the reader's understanding of how astronomers, planetary scientists, biologists, and other scientists make progress at the cutting edge of this dynamic field. Enriched with a wealth of engaging features, this textbook brings any citizen of the cosmos up to speed with the scientific quest to discover whether we are alone or part of a universe full of life. An acclaimed text designed to inspire students of all backgrounds to explore foundational questions about life in the cosmos Completely revised and updated to include the latest developments in the field, including recent exploratory space missions to Mars, frontier exoplanet science, research on the origin of life on Earth, and more Enriched with helpful learning aids, including in-chapter Think about It questions, optional Do the Math and Special Topic boxes, Movie Madness boxes, end-of-chapter exercises and problems, quick quizzes, and much more Supported by instructor's resources, including an illustration package and test bank, available upon request

big picture science podcast: The Great Silence Doug Johnstone, 2021-06-19 The discovery of a human foot in an Edinburgh park, the inexplicable circumstances of a dying woman, and the missing daughter of Jenny's violent ex-husband present the Skelf women with their most challenging &– and deadly &– cases yet... _____ Keeping on top of the family funeral directors' and private-investigation businesses is no easy task for the Skelf women, and when matriarch Dorothy discovers a human foot while walking the dog, a perplexing case presents itself ... with potentially deadly results. Daughter Jenny and grand-daughter Hannah have their hands full too: The mysterious circumstances of a dying woman lead them into an unexpected family drama, Hannah's new astrophysicist colleague claims he's receiving messages from outer space, and the Skelfs' teenaged lodger has yet another devastating experience. Nothing is clear as the women are immersed ever deeper in their most challenging cases yet. But when the daughter of Jenny's violent and fugitive ex-husband goes missing without trace and a wild animal is spotted roaming Edinburgh's parks, real danger presents itself, and all three Skelfs are in peril. Taut, dark, warmly funny and unafraid to ask big questions &– of us all &– The Great Silence is the much-anticipated third instalment in the addictive, unforgettable Skelfs series, and the stakes are higher than ever.

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big picture science podcast: The Year in Space The Supermassive Podcast (Izzie Clarke, Dr Becky Smethurst, Richard Hollingham and Robert Massey), 2022-10-27 Is it possible for humans to live on other planets? What will happen on the next mission to the Moon? And was there really once life on Mars? Brought to you by the infectiously enthusiastic team behind The Supermassive Podcast from the Royal Astronomical Society, The Year in Space highlights the most exciting space news from the past twelve months and looks forward to the year ahead. Packed with features, interviews, in-depth explainers and stunning photography, it covers everything from the extraordinary new images from the James Webb telescope to the search for extraterrestrial life. You'll also find practical tips on what to look out for in the night sky in 2023. Fun, engaging and accessible, this is essential reading for every space enthusiast.

big picture science podcast: Neuroethology of the Colonial Mind: Ecological and Evolutionary Context of Social Brains J. Frances Kamhi, Sara Arganda Carreras, Mathieu Lihoreau, 2023-10-02 Animal groups often display striking collective organization, which relies on social interactions. These interactions require neural substrates supporting the exchange of information among individuals and the processing of this information. The social brain hypothesis, suggested from neuroanatomical findings in primates, posits that increasing levels of sociality involve a higher investment in neural tissue to cope with social information. However, distributed cognition and swarm intelligence might alleviate the cognitive load on the individuals, and potentially reduce their neural requirements. Research on social insects, which are an exemplar of collective action, has so far produced mixed results. Individual cognition and collective action have received a lot of attention, and much progress has been done in each of those fields; however, much less is understood about how the two interact. Our goal is to aggregate theoretical and experimental research exploring the links between the complexity of individual and collective behaviors. Experimental research testing the social brain hypothesis showed little support for a general explanation across the animal kingdom. The relationship between the cognitive abilities of animals and their social interactions are much more complex than previously thought, and tackling this problem requires a better knowledge of the fundamental mechanisms underpinning socio-cognitive tasks. What is the information used by the animals during social interactions? How much information is necessary? How many neurons and which neural circuits are required for processing this information? What neural connections are important? Do these social interactions involve memory formation? How do the cognitive requirements and neural circuits vary between group members? Answering these questions will bring considerable insights into the cognitive complexity involved for social and collective behaviors. It will also advance our understanding of inter-individual cognitive variability and division of labor in most socially advanced species. This Research Topic will be a unique forum for researchers from different fields (neurogenetics, neuro-ethology, evolutionary ecology, cognitive ecology, collective animal behavior, computational modeling) working on different species to present up to date advances on the physiological correlates of social behavior and delineate future directions for the field of social neuroethology. We welcome contributions on any aspect of the cognitive requirements of social and collective behaviors, from molecular, cellular, and circuit level approaches to how individuals contribute to group action at the behavioral level. Specific areas of interest include, but are not limited to, studies on the neural underpinnings of division of labor, neuromodulation or neurogenetics of social behaviors, the neural circuits and neuroanatomical basis of group action, and how social signals affect learning and behavior. We encourage submissions that present original research and review evidence or compare data from multiple species. We hope to include work from different disciplines and on a wide range of species, including model, non-model, and wild animals, with the aim of gaining insight into the patterns of neural investment in individual cognition

big picture science podcast: Making Contact Sarah Scoles, 2017-07-04 For anyone who has ever looked up at the night sky and wondered, Are we alone? A brilliant examination of the science behind the search for extraterrestrial intelligence and its pioneer, Jill Tarter, the inspiration for the main character in Carl Sagan's Contact. Jill Tarter is a pioneer, an innovator, an adventurer, and a controversial force. At a time when women weren’t encouraged to do much outside the home, Tarter ventured as far out as she could—into the three-Kelvin cold of deep space. And she hasn’t stopped investigating a subject that takes and takes without giving much back. Today, her computer's screensaver is just the text “SO…ARE WE ALONE?” This question keeps her up at night. In some ways, this is the question that keep us all up at night. We have all spent dark hours wondering about our place in it all, pondering our aloneness, both terrestrial and cosmic. Tarter’s life and her work are not just a quest to understand life in the universe: they are a quest to understand our lives within the universe. No one has told that story, her story, until now. It all began with gazing into the night sky. All those stars were just distant suns—were any of them someone else's sun? Diving into the science, philosophy, and politics of SETI—searching for extraterrestrial intelligence—Sarah

Scoles reveals the fascinating figure at the center of the final frontier of scientific investigation. This is the perfect book for anyone who has ever looked up at the night sky and wondered if we are alone in the universe.

big picture science podcast: Why Black People Die Sooner Joseph L. Graves, Jr., 2025-11-11 There is a persistent gap in life expectancy between Black people and their white counterparts in the United States. It is a direct result of structural racism within American society and has nothing to do with genetic differences. In past eras, scientific racism sought to shift the blame to the supposed physical inferiority of people of African descent. Even today, medicine labors under false beliefs derived from nineteenth-century racial thinking, harming patients who are not of European descent. Why Black People Die Sooner is a powerful and rigorous examination of the ways racism shapes health and disease. Joseph L. Graves Jr. demonstrates that the medical profession still fails to grasp basic facts about race, tracing how deep-rooted falsehoods have perpetuated the disparity between Black and white lifespans. He equips readers with the tools to dispel the fallacies and errors of racialized medicine, including an understanding of evolutionary biology and human biological variation. Graves also debunks common misconceptions about race and health on topics such as high blood pressure, sickle cell disease, the microbiome, infectious diseases, and cancer. Why Black People Die Sooner closes by offering a sweeping vision for dismantling medical racism, from professional training to clinical practice through biomedical research. Timely and bracing, this book reveals why medicine keeps misunderstanding race—and how we can make it change.

big picture science podcast: *Reinventing SETI* John Gertz, 2025 Reinventing SETI clears out the cobwebs of outdated or wrongheaded SETI paradigms such as Fermi's Paradox, the Drake Equation, and METI (i.e., proactively sending signals from Earth to putative aliens). It argues that scientists should approach the pursuit of extraterrestrials (ETs) in a more effective manner. Author John Gertz states that ETs, as biological lifeforms themselves, cannot accomplish interstellar travel, but have instead placed robotic probes throughout the universe, perhaps even in our own Solar System. Humorous and deeply informative, this book takes the reader through the universe, conventional SETI methods, and ideas on future ET exploration.

big picture science podcast: Big Picture Pedagogy: Finding Interdisciplinary Solutions to Common Learning Problems Regan A. R. Gurung, David J. Voelker, 2017-10-02 Take a big-picture look at teaching and learning. Building on existing pedagogical research, this volume showcases the scholarship of teaching and learning (SoTL) across the disciplines--and takes it in a new direction. In each chapter, interdisciplinary teams of authors address a single pedagogical question, bringing each of their home disciplines specific literature and methodologies to the table. The result is a fresh examination of evidence-based practices for teaching and learning in higher education that is intentionally inclusive of faculty from different disciplines. By taking a closer, more systematic look at the pedagogies used within the disciplines and their impacts on student learning, the authors herein move away from more generic teaching tips and generic classroom activities and toward values, knowledge, and manner of thinking within SoTL itself. The projects discussed in each chapter, furthermore, will provide models for further research via interdisciplinary collaboration. This is the 151st volume of this Jossey-Bass higher education series. It offers a comprehensive range of ideas and techniques for improving college teaching based on the experience of seasoned instructors and the latest findings of educational and psychological researchers.

big picture science podcast: Mediabistro.com Presents Small Screen, Big Picture Chad Gervich, 2008-11-25 Take On Hollywood and Make It as a Television Writer. From mediabistro.com, the media industry’s most well-respected source for jobs, professional development, and community, this inside-the-business guide gives you the knowledge and tools you need to infiltrate Hollywood and land a job as a TV writer. That’s right—Small Screen, Big Picture gives you a competitive edge over millions of other aspiring writers who share your talent, creativity, and determination . . . because after reading these pages, you’ll have the one thing they lack: an understanding of the business of television. This journey into Hollywood’s inner workings not only details how networks, studios, and production companies work together, it teaches you how the process affects the

creation and writing of TV series, how shows make money, and—ultimately—how you can use this information to break into the industry. You'll learn: • What really goes on in the inner sanctum of the writers' room—and how to be a part of it • How today's TV business model works—and how rapidly it's changing • Who has the power to buy a show idea—and how to pitch your own • How new media formats are changing television—and how to use them to your advantage • Which jobs will kick-start your TV writing career—and how to get hired • And much more . . . Armed with this solid foundation of knowledge, you'll be ready to plan your entry into the industry and begin your successful TV writing career.

big picture science podcast: *Einbalsamiert* Doug Johnstone, 2024-12-15 Die Skelf-Frauen leben jeden Tag im Schatten des Todes und führen das Familienunternehmen für Bestattungen und Ermittlungen in Edinburgh. Im dritten Band der Skelf-Reihe beginnt die Matriarchin Dorothy eine Beziehung mit dem Polizisten Thomas, während sie gleichzeitig eine jugendliche Untermieterin bei sich aufnimmt, die sich von ihrer Familie entfremdet hat. Dorothys Hund Einstein findet einen menschlichen Fuß auf den Wiesen, aber als sie ihn in einem Hundehaufenbeutel zur Untersuchung ins Bestattungsinstitut zurückbringt, wirft das mehr Fragen auf, als es beantwortet. Der Fuß hat nach dem Tod einiges mitgemacht. Auch Tochter Jenny und Enkeltochter Hannah haben alle Hände voll zu tun: Die mysteriösen Umstände des Todes einer reichen Frau ziehen sie in ein unerwartetes Familiendrama hinein. Darüber hinaus behauptet Hannahs neuer Astrophysiker-Kollege, er empfange Botschaften aus dem Weltall. Nichts ist klar, als die Skelfs tiefer in ihre bisher schwierigsten Fälle eintauchen. Als die Tochter von Jennys gewalttätigem und flüchtigem Ex-Mann spurlos verschwindet und ein wildes Tier in den Parks von Edinburgh gesichtet wird, scheint die Welt der Skelfs schlagartig zu überdrehen. Spannend, düster, warmherzig, humorvoll. Es steht mehr auf dem Spiel denn je.

big picture science podcast: *Cosmo e dintorni - vol. III* Fulvio Fusco, 2019-02-19 L'universo è l'insieme di tutte le cose che esistono: stelle, pianeti, galassie, ammassi di galassie. Non ha quindi senso chiedersi che cosa c'è al fuori di esso: non esiste nient'altro, nemmeno lo spazio. Nell'universo ci sono miliardi di galassie, raggruppate in milioni di ammassi; le dimensioni di una galassia sono così piccole rispetto alla vastità del cosmo, che si possono considerare quasi puntiformi. Se la nostra Galassia fosse grande quanto una nocciola, la galassia di Andromeda sembrerebbe un'altra nocciola posta a 20 centimetri di distanza e il Gruppo Locale avrebbe le dimensioni di una grossa anguria. A 5 metri e mezzo da questa anguria si troverebbe l'ammasso della Vergine, mentre più lontano, a 30 metri circa, l'ammasso di Coma. Il quasar più lontano che conosciamo.

big picture science podcast: Regenerative Business Voices Mark G. Edwards, Anton Lindberg, Melker Larsson, Jonathan Angel, 2024-04-24 This is a book about the future of sustainability. Regenerative Business Voices: Values-based Entrepreneurship for Sustainable Enterprises tells the stories of four regenerative organizations and the people who have founded them and guided them towards sustaining futures. Regenerative sustainability recognizes the urgency of transforming organizations to reverse the unsustainable pathways we are currently on. Regenerative businesses do not simply do less harm, or produce zero emissions, or optimize the efficient use of natural resources; they also restore and enhance well-being in social and ecological systems. The stories presented here are analyzed using the business ethics approach called Giving Voice to Values (GVV). Through the application of GVV principles, we uncover the processes involved in how regenerative businesses develop and function, and gain insights into how business leaders voice their deep convictions, overcome silencing rationalizations, normalize their execution of personal choice, discover deep purpose in their work, and draw on their personal histories to create new ways of doing business. We present and analyze these cases to understand how and why expressing values can be so crucial in developing sustainable businesses, and to provide practical examples of how individuals can generate enthusiasm, counter objections, gain allies, and prepare for and practice conversations that help them move forward. The book offers managers and sustainability consultants a new way of understanding some of the central dynamics involved in business ethics and organizational change for sustainability. It will be immensely valuable to

educators, business students, and practitioners interested in sustainability, environmental business ethics, and corporate social responsibility topics.

big picture science podcast: *Qual o real papel do revisor acadêmico? Como jogar uma espécie de loteria, propensa a polarização e facilmente abusada* Jorge Guerra Pires, 2022-04-22 “a revisão por pares pode ser construir ou destruir carreiras.” Pode-se dizer que pesquisa, publicação por pares e Publish or Perish (POP) se tornaram um corpo só. Não conheço nenhuma universidade que use publicações além de pares para validar a carreira de pesquisadores; pode-se assumir que pesquisador e competência rimam com publicação por pares. Isso significa que toda a complexidade da produção intelectual se resume no modelo predominante atual em publicações de artigos por pares. Nesta obra, vamos falar da publicação por pares valendo-se da experiência do autor como revisor e autor, somado a algumas obras presentes na literatura falando do assunto. Hipóteses defendidas no livro Hipótese #1: o processo de revisão de artigos científicos por pares é predominantemente um processo de tomada de decisão. Hipótese #2: automação pode acelerar o processo, sem derrubar qualidade, e reduzindo custos e ruídos humanos no processo de decisão. Hipótese #3: algoritmos podem superar revisores humanos na tentava de prever o sucesso de um artigo científico, ou seja, julgamento preditivo mecânico é melhor do que julgamento preditivo clínico. Hipótese #4: em um processo de revisão, julgamento preditivo clínico, temos ruídos e viés humano no final do processo de decisão. Hipótese #5: revisões online, abertas, e temporalmente continuas, pode ser um modelo melhor do que a revisão por pares. Que vença o melhor, como vídeos do YouTube™. Pilares da obra - minha experiência como autor e revisor acadêmico; - Publish or Perish, focado no livro Publish Or Perish: Perceived Benefits Versus Unintended Consequences por Imad A. Moosa - Processo humano de tomada de decisão, baseado em Noise: A Flaw in Human Judgment por Cass Sunstein, Daniel Kahneman, and Olivier Sibony; - Inteligência computacional, baseado na formação acadêmica do autor; - Hate the peer-review process? Einstein did too, Andre Spicer, Thomas Roulet; O livro é construído sobre o pilar de que o processo de revisão por pares é somente mais um processo de decisão, por isso usando a teoria do livro Noise: A Flaw in Human Judgment. Apesar deste livro não ser uma publicação por pares, empenhei-me em ser cuidadoso, citando outras obras além dos pilares mencionados. = Possível contribuição para a literatura Este livro ver a publicação por pares como um processo de tomada de decisão. Isso é diferente do que as obras que o autor leu ver. Contudo, essa forma de ver a questão criou a possibilidade de juntar o trabalho de Daniel Kahneman com outros trabalhos em torno do POP. Isso significa que essa obra, além de falar de um assunto cada vez mais importante para pesquisa científica, também traz como inovação essa reflexão: como teoria da decisão podem ajudar a entender e melhorar o processo de tomada de decisão no contexto de aceite de artigos científicos. Também se propõe e se faz uma reflexão da possibilidade de se automatizar o sistema de revisão de artigos científicos. Resultados mostram que mesmo algoritmos simples podem ajudar no processo de revisão acadêmica automatizada. = Potencial público alvo Pesquisadores em início de carreira, querendo saber mais do processo de aceite de artigos científicos, behind the scenes; Pesquisadores passando por esse pesadelo, e gostaria de um abraço intelectual; Burocratas com peso na consciência; Pesquisadores experientes com coração ainda funcionando; We (Mr. Rosen and I) had sent you our manuscript for publication and had not authorised you to show it to specialists before it is printed. I see no reason to address the – in any case erroneous – comments of your anonymous expert. On the basis of this incident I prefer to publish the paper elsewhere. Einstein nervoso com a publicação por pares!

big picture science podcast: *Everything Must Go* Dorian Lynskey, 2025-01-28 A rich, captivating, and darkly humorous look into the evolution of apocalyptic thought, exploring how film and literature interact with developments in science, politics, and culture, and what factors drive our perennial obsession with the end of the world. As Dorian Lynskey writes, “People have been contemplating the end of the world for millennia.” In this immersive and compelling cultural history, Lynskey reveals how religious prophecies of the apocalypse were secularized in the early 19th century by Lord Byron and Mary Shelley in a time of dramatic social upheaval and temporary climate change, inciting a long tradition of visions of the end without gods. With a discerning eye

and acerbic wit, Lynskey examines how various doomsday tropes and predictions in literature, art, music, and film have arisen from contemporary anxieties, whether they be comets, pandemics, world wars, the Cuban Missile Crisis, Y2K, or the climate emergency. Far from being grim, Lynskey guides readers through a rich array of fascinating stories and surprising facts, allowing us to keep company with celebrated works of art and the people who made them, from H.G. Wells, Jack London, W.B. Yeats and J.G. Ballard to The Twilight Zone, Dr. Strangelove, Mad Max and The Terminator. Prescient and original, Everything Must Go is a brilliant, sweeping work of history that provides many astute insights for our times and speaks to our urgent concerns for the future.

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big picture science podcast: *A Friendly Guide to Data Science* Kelly P. Vincent, 2025-06-26 Unlock the world of data science—no coding required. Curious about data science but not sure where to start? This book is a beginner-friendly guide to what data science is and how people use it. It walks you through the essential topics—what data analysis involves, which skills are useful, and how terms like "data analytics" and "machine learning" connect—without getting too technical too fast. Data science isn't just about crunching numbers, pulling data from a database, or running fancy algorithms. It's about asking the right questions, understanding the process from start to finish, and knowing what's possible (and what's not). This book teaches you all of that, while also introducing important topics like ethics, privacy, and security—because working with data means thinking about people, too. Whether you're a student exploring new skills, a professional navigating data-driven decisions, or someone considering a career change, this book is your friendly gateway into the world of data science, one of today's most exciting fields. No coding or programming experience? No problem. You'll build a solid foundation and gain the confidence to engage with data science concepts— just as AI and data become increasingly central to everyday life. What You Will Learn Grasp foundational statistics and how it matters in data analysis and data science Understand the data science project life cycle and how to manage a data science project Examine the ethics of working with data and its use in data analysis and data science Understand the foundations of data security and privacy Collect, store, prepare, visualize, and present data Identify the many types of machine learning and know how to gauge performance Prepare for and find a career in data science

Who This Book is for A wide range of readers who are curious about data science and eager to build a strong foundation. Perfect for undergraduates in the early semesters of their data science degrees, as it assumes no prior programming or industry experience. Professionals will find particular value in the real-world insights shared through practitioner interviews. Business leaders can use it to better understand what data science can do for them and how their teams are applying it. And for career changers, this book offers a welcoming entry point into the field—helping them explore the landscape before committing to more intensive learning paths like degrees or boot camps.

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big picture science podcast: Study Skills for Geography, Earth and Environmental Science Students Pauline E Kneale, 2013-08-15 There are moments in everyone's degree when you are expected to do something unfamiliar and daunting - present a seminar, go on a fieldtrip, create a wiki page, lead a lab team - and how to do it or what to expect is unclear. Studying at university requires a different approach from studying at school and this book explains this transition. Packed with practical hints, study tips, short cuts, real-life examples and careers advice, this book will prove invaluable throughout your geography, earth science or environmental science degree. Designed for all geography, earth science and environmental science students, this book provides guidance on: time management and effective research constructing essays and creating arguments giving presentations confidently undertaking fieldwork and laboratory work avoiding plagiarism and citing references correctly using e-technologies such as blogs and your university's VLE online assessment and peer feedback. This guide also explains the role of the academic and how it differs from that of a school teacher, and prepares you for the world of work by showing how the skills you learn at university today can be used in your career choice of tomorrow.

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approaches. With Reach All Readers, teaching literacy is a breeze! This reader-friendly guide to the science of reading education will help you improve your reading instruction with research-backed strategies. Literacy expert Anna Geiger breaks down complex concepts and presents them in an easy-to-digest format. Then, she offers concrete ideas you can implement immediately. Get all the must-know information about K-3 literacy education in one place Understand the latest research on how students learn and get tools for putting that research into practice Follow concrete lesson plans and practical tips to level up your literacy teaching Develop a big-picture understanding of literacy education so you know how best to help each and every student Anyone responsible for teaching K-3 students reading, writing, and literacy skills—including teachers, homeschoolers, tutors, parents, and administrators—will want a copy of Reach All Readers.

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