

File Type PDF The Half Life Of Facts Why Everything We Know Has An Expiration

Date Samuel Arbesman The Half Life Of Facts Why Everything We Know Has An Expiration Date Samuel Arbesman

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[The Complete Half Life Timeline - From Half Life to](#)

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~~Half Life Alyx Sam Arbesman Interview - The Half-Life of Facts 101 Facts About Half-Life Half Life Alyx: The Story Explained Top 10 Facts - Half Life Gordon Freeman (Half Life): The Story You Never Knew | Treesicle Half-Life - Story Explanation and Analysis (Part 1) 10 Half-Life 2 Facts You Probably Didn't Know 15 Amazing Facts About The Half Life Series You Probably Don't Know Kauffman Foundation feat. Sam Arbesman \"The Half-Life of Facts\" - 321 Fast Draw Whiteboard 17 AMAZING Details in Half-Life: Alyx Half-Life: Alyx - All Easter Eggs & Secrets Half Life 2 All Easter Eggs And Secrets HD QI | The Half-Life Of QI Facts Half Life - 5 Weird Facts about G-Man The Half Life Of Facts~~

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The Half Life of Facts is an engaging, popular introduction to several topics within information science. The title comes from the notion that one can measure the rate at which papers within a discipline become obsolete, assigning a half-life to each field.

~~The Half-life of Facts: Why Everything We Know Has an ...~~

The title of this book, "the half-life of facts" says that everything we know has an expiration date. However, this is misleading and what is really happening is improved accuracy of measurement for many of the author's "gotcha" examples.

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~~The Half Life of Facts: Why Everything We Know Has an ...~~

Consider The Half-life of Facts the new go-to book on the evolution of science and technology."--Tyler Cowen, professor of economics, George Mason University, and author of An Economist Gets Lunch "The Half-life of Facts is a rollicking intellectual journey. Samuel Arbesman shares his extensive knowledge with infectious enthusiasm and ...

~~Half Life of Facts, The : Why Everything We Know Has An ...~~

The half-life of knowledge or half-life of facts is the amount of time that has to elapse before half of the

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Knowledge or facts in a particular area is superseded or shown to be untrue. These coined terms belong to the field of quantitative analysis of science known as scientometrics .

~~Half life of knowledge - Wikipedia~~

Furthermore, they got a clear measurement of the half-life of facts in these fields by looking at where the curve crosses 50 percent on this chart: 45 years.

Essentially, information is like radioactive material: Medical knowledge about cirrhosis or hepatitis takes about forty-five years for half of it to be disproven or become out-of-date.

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~~The Half-life of Facts — Farnam Street~~

The Half-Life of Facts. In *The Half-Life of Facts: Why Everything We Know Has an Expiration Date*, Samuel Arbesman (see our Knowledge Project interview) posits that facts decay over time until they are no longer facts or perhaps no longer complete. According to Arbesman, information has a predictable half-life: the time taken for half of it to be replaced or disproved.

~~Half Life: The Decay of Knowledge and What to Do About It~~

Samuel Arbesman, a mathematician at Harvard, calls this "The Half-life of Facts", the title of his new book.

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In it he explains that this churn of knowledge is like radioactive decay: you cannot...

~~The Q&A: Samuel Arbesman - The half life of facts ...~~

The Half-life of Facts is fun and fascinating, filled with wide-ranging stories and subtle insights about how facts are born, dance their dance, and die. In today's world, where knowledge often changes faster than we do, Samuel Arbesman's new book is essential reading."

~~Amazon.com: The Half Life of Facts: Why Everything We Know ...~~

Half-life, in radioactivity, the interval of time required

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for one-half of the atomic nuclei of a radioactive sample to decay (change spontaneously into other nuclear species by emitting particles and energy), or, equivalently, the time interval required for the number of disintegrations per second of a radioactive material to decrease by one-half. Read More on This Topic.

~~half life | Definition & Facts | Britannica~~

Greetings Motherfactors! In today's video we're looking at one of the longest awaited video games, and one of the topics that you've asked for a lot in the p...

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~~101 Facts About Half-Life - YouTube~~

Valve is a mysterious bunch, and their flagship franchise, Half-Life, is no different, as the series is shrouded in uncertainty —and not just in its storytelling, but also in its development. RELATED: 5 Reasons Why Half-Life: Alyx Is Going To Be Valve's Comeback (& 5 Why It's Too Late) For over a decade, fans eagerly awaited for a successor to Half-Life 2: Episode 2 and, at long last, Half ...

~~10 Things You Didn't Know About The Half-Life Franchise~~

The original Half-Life hit PCs in 1998; the sequel finally dropped in 2004. That means, between them,

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the Half Life franchise has at this point been around for fifteen years. In that time, only a...

~~10 Things You Didn't Know About Half Life~~

Strontium-90 has a half-life of 29 years. If starting with a 2.2 lb (1 kg) mass of strontium-90, then after 29 years there will only be 1.11 lb (0.5 kg) of strontium-90 remaining. After a further 29 years there will only be 0.55 lb (0.25 kg). Strontium-90 decays to give yttrium-90 and one free electron.

~~Half life | Encyclopedia.com~~

“ The Half-life of Facts teaches you that it is possible, in fact, to drink from a firehose. Samuel Arbesman, an

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extremely creative scientist and storyteller, explores the paradox that knowledge is tentative in particularly consistent ways.

~~The Half Life of Facts by Samuel Arbesman:
9781591846512 ...~~

Cobalt-60, radioactive isotope of cobalt used in industry and medicine. Cobalt-60 is the longest-lived isotope of cobalt, with a half-life of 5.27 years. It is produced by irradiating the stable isotope cobalt-59 with neutrons in a nuclear reactor. Cobalt-60 is used in the inspection of materials

~~cobalt 60 | Uses, Half Life, & Facts | Britannica~~

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Half life is the expected value when half the number of atoms have decayed. Carbon-14 has a half-life of 5730 years. Taking one atom of C-14, this will either have decayed after 5730 years, or it will not. But if this experiment is repeated again and again, it will be seen that the atom decays within the half life 50% of the time.

~~Half life (element) Facts for Kids | KidzSearch.com~~

The half-life of an isotope is the time on average that it takes for half of the atoms in a sample to decay. For example, the half-life of carbon-14 is 5730 years. This means that if you have a sample of carbon-14 with 1,000 atoms, 500 of these atoms are expected to

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decay over the course of 5730 years.

New insights from the science of science Facts change all the time. Smoking has gone from doctor recommended to deadly. We used to think the Earth was the center of the universe and that the brontosaurus was a real dinosaur. In short, what we know about the world is constantly changing. Samuel Arbesman shows us how knowledge in most fields evolves systematically and predictably, and how this evolution unfolds in a fascinating way that can have a powerful impact on our lives. He takes us through a wide variety of fields, including those that change

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quickly, over the course of a few years, or over the span of centuries.

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The fascinating, curious, and sometimes macabre history of radium as seen in its uses in everyday life. Of all the radioactive elements discovered at the end of the nineteenth century, it was radium that became the focus of both public fascination and entrepreneurial zeal. Half Lives tells the fascinating, curious, sometimes macabre story of the element through its ascendance as a desirable item – a present for a queen, a prize in a treasure hunt, a glow-in-the-dark dance costume – to its role as a supposed cure-all in everyday twentieth-century life, when

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medical practitioners and business people (reputable and otherwise) devised ingenious ways of commodifying the new wonder element, and enthusiastic customers welcomed their radioactive wares into their homes. Lucy Jane Santos—herself the proud owner of a formidable collection of radium beauty treatments—delves into the stories of these products and details the gradual downfall and discredit of the radium industry through the eyes of the people who bought, sold and eventually came to fear the once-fetishized substance. *Half Lives* is a new history of radium as part of a unique examination of the interplay between science and popular culture.

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Debunks popular beliefs and reveals the facts about political, cultural, scientific, and technological misconceptions, addressing such topics as Napoleon's stature, the danger of quicksand, and caffeine's effects on the body.

Why did the New York Stock Exchange suspend trading without warning on July 8, 2015? Why did certain Toyota vehicles accelerate uncontrollably against the will of their drivers? Why does the programming inside our airplanes occasionally surprise its creators? After a thorough analysis by the top experts, the answers still elude us. You don't understand the software running your car or your

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iPhone. But here's a secret: neither do the geniuses at Apple or the Ph.D.'s at Toyota—not perfectly, anyway. No one, not lawyers, doctors, accountants, or policy makers, fully grasps the rules governing your tax return, your retirement account, or your hospital's medical machinery. The same technological advances that have simplified our lives have made the systems governing our lives incomprehensible, unpredictable, and overcomplicated. In *Overcomplicated*, complexity scientist Samuel Arbesman offers a fresh, insightful field guide to living with complex technologies that defy human comprehension. As technology grows more complex, Arbesman argues, its behavior mimics the vagaries of the natural world more than it

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conforms to a mathematical model. If we are to survive and thrive in this new age, we must abandon our need for governing principles and rules and accept the chaos. By embracing and observing the freak accidents and flukes that disrupt our lives, we can gain valuable clues about how our algorithms really work. What's more, we will become better thinkers, scientists, and innovators as a result. Lucid and energizing, this book is a vital new analysis of the world heralded as "modern" for anyone who wants to live wisely.

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In a narrative that moves with dreamlike swiftness from India to England to Africa, Nobel Laureate V. S. Naipaul has produced his finest novel to date, a bleakly resonant study of the fraudulent bargains that make up an identity. The son of a Brahmin ascetic and his lower-caste wife, Willie Chandran grows up sensing the hollowness at the core of his father's self-denial and vowing to live more authentically. That search takes him to the immigrant and literary bohemia of 1950s London, to a facile and unsatisfying career as a writer, and at last to a decaying Portuguese colony in East Africa, where he finds a happiness he will then be compelled to betray. Brilliantly orchestrated, at once elegiac and

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Devastating in its portraits of colonial grandeur and pretension, *Half a Life* represents the pinnacle of Naipaul's career.

From the winner of the 1989 National Book Award (for *Spartina*), a major new novel--wise, sad, and richly comic--about the meltdown of a marriage against the backdrop of a gloriously awful congressional campaign. Charlottesville, Virginia, 1978: Mike is a successful forty-something lawyer, a onetime congressional staffer who's had it with Washington; Joss, his wife, is a filmmaker. They're Virginia liberals with a clan of close-knit friends--a bright, edgy, flirty, games-playing group, spinning like a Catherine wheel

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around Mike and Joss. But the sparks that fly between the two are getting hotter and more dangerous, as Joss' restlessness turns to impatience and then anger. When one of the group introduces them all to the woman he wants to marry, things suddenly explode--this new arrival and Joss fall passionately in love, and their whole world careens out of control. What ensues is tragicomedy, as Mike tries to allay his rage and misery by letting himself get sucked into a trial run for a seat in Congress. He wants to be a hero to someone; instead he becomes the unwitting star of a political farce. Meantime, Joss is struggling with her new life, and their two young daughters (who form a lovingly unmerciful Greek chorus commenting on the

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action) have to navigate a turmoil in which one parent is a public joke and the other a private scandal. Rarely has the undoing of love been chronicled with such large-hearted humanity.

In modern-day England, where witches live alongside humans, Nathan, son of a White witch and the most powerful Black witch, must escape captivity before his seventeenth birthday and receive the gifts that will determine his future.

The memo landed on Kim Philby's desk in Washington, DC, in July 1950. Three months later, Bruno Pontecorvo, a physicist at Harwell, Britain's

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atomic energy lab, disappeared without a trace. When he re-surfaced six years later, he was on the other side of the Iron Curtain. One of the most brilliant scientists of his generation, Pontecorvo was privy to many secrets: he had worked on the Anglo-Canadian arm of the Manhattan Project, and quietly discovered a way to find the uranium coveted by nuclear powers. Yet when he disappeared MI5 insisted he was not a threat. Now, based on unprecedented access to archives, letters, surviving family members and scientists, award-winning writer and physics professor Frank Close exposes the truth about a man irrevocably marked by the advent of the atomic age and the Cold War.

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