

six degrees of kevin bacon calculator

Six degrees of Kevin Bacon calculator is a fascinating tool that plays on the concept of social networking, illustrating how interconnected individuals are through mutual acquaintances—in this case, actors and actresses in the film industry. Named after actor Kevin Bacon, the calculator leverages the idea that any actor can be linked to Bacon through a chain of co-starring roles in movies. This article delves into the origins of the concept, its various applications, how the calculator works, and its cultural impact.

Origins of the Six Degrees of Kevin Bacon Concept

The concept of "six degrees of separation" posits that any two people on Earth are, on average, six or fewer social connections apart. The idea became popular through various studies and was popularized by the 1993 play "Six Degrees of Separation" by John Guare. In the early 1990s, three college students, Craig Fass, Brian Turtle, and Joe Gorton, expanded on this concept by focusing on the film industry, specifically linking actors to Kevin Bacon.

The first formal mention of this connection was in a 1994 interview with Kevin Bacon, where he jokingly noted how many actors he had worked with, leading to the creation of the "Six Degrees of Kevin Bacon" game. This playful assertion quickly caught on, leading to the development of a game and ultimately, a calculator that could map out these connections in a more systematic way.

How the Six Degrees of Kevin Bacon Calculator Works

The Six Degrees of Kevin Bacon calculator operates by analyzing databases of film credits and collaborations. It uses algorithms to determine the shortest path between any given actor and Kevin Bacon based on shared movie roles. Here's a basic breakdown of how the system functions:

1. Database of Actors and Movies

The foundation of the calculator is a comprehensive database that includes:

- A list of actors and actresses.
- Films in which they have starred.
- Co-stars for each film.

This data is often sourced from large databases like IMDb (Internet Movie Database).

2. Pathfinding Algorithm

Once the database is established, the calculator employs a pathfinding algorithm. This algorithm works similarly to those used in computer networking:

- Graph Theory: Each actor is treated as a node, and each co-starring role in a film creates an edge between nodes.
- Breadth-First Search (BFS): The algorithm explores all possible paths between two nodes (actors) to find the shortest route.

The result is a chain of actors that connects any given individual back to Kevin Bacon, often displaying the movies that link them together.

3. User Input

Users can typically input the name of any actor, and the calculator will return the number of degrees of separation from Kevin Bacon, along with the connecting films. The user-friendly interface often allows for quick searches and immediate results.

Applications of the Six Degrees of Kevin Bacon Calculator

The Six Degrees of Kevin Bacon calculator has applications beyond mere entertainment. It serves various purposes in different fields:

1. Social Networking Analysis

The concept of social networking can be applied in various domains, including:

- Business Networking: Professionals can use similar algorithms to find connections within their industry.
- Research Collaborations: Academics can identify potential collaborators based on mutual connections.

2. Game Development

The popularity of the calculator has inspired game developers to create interactive games based on the concept. Players can compete to find the shortest path between actors, adding layers of strategy and fun to trivia games.

3. Educational Tools

Educators can utilize the calculator to teach concepts related to graph theory, algorithms, and data analysis. It provides a practical example of how interconnectedness works in real life, making abstract mathematical concepts more tangible.

Cultural Impact and Legacy

The Six Degrees of Kevin Bacon has had a significant cultural impact since its inception. It has led to various adaptations in media and has even been referenced in academic studies.

1. Media References

The idea has permeated popular culture, appearing in numerous television shows, movies, and publications. Notable appearances include:

- TV Shows: Series like "Friends" and "The Big Bang Theory" have referenced the game, showcasing its widespread recognition.
- Movies: The concept has been parodied in films, highlighting its humorous and entertaining aspects.

2. Academic Studies

The Six Degrees of Kevin Bacon has also inspired academic research into social networks, particularly in sociology and computer science. Various studies have utilized the concept to explore:

- Network Theory: Understanding how networks operate and the significance of nodes and edges.
- Human Connectivity: Researching how people are linked through various social interactions.

3. The Kevin Bacon Phenomenon

Kevin Bacon himself has embraced the phenomenon, participating in various charitable initiatives that leverage the game's popularity. He co-founded the charity "SixDegrees.org," which encourages people to connect and support various causes.

Limitations of the Six Degrees of Kevin Bacon Calculator

While the Six Degrees of Kevin Bacon calculator is a fun and engaging tool, it does have limitations:

1. Database Incompleteness

The accuracy of the calculator is heavily reliant on the completeness of its database. Missing films or actor credits can lead to incomplete or erroneous results.

2. Subjective Connections

The calculator focuses solely on film credits, which can sometimes overlook other forms of connection, such as television appearances or personal relationships.

3. Cultural Bias

The primary focus on Hollywood actors may limit the calculator's usefulness for those interested in international cinema or non-Western film industries.

Conclusion

The Six Degrees of Kevin Bacon calculator offers a unique and entertaining glimpse into the interconnected world of film and actors. By leveraging the concept of social networking, it serves as a reminder of how closely knit our social circles can be, even in an industry as vast as Hollywood. From its origins as a playful game to its applications in various fields, the calculator has cemented itself as a

cultural phenomenon. Whether for educational purposes, social networking analysis, or simply for fun, the Six Degrees of Kevin Bacon continues to intrigue and entertain audiences worldwide.

Frequently Asked Questions

What is the Six Degrees of Kevin Bacon concept?

The Six Degrees of Kevin Bacon is a popular theory that suggests any actor can be connected to Kevin Bacon through their film roles in six steps or fewer.

How does the Six Degrees of Kevin Bacon calculator work?

The calculator functions by mapping actors to the films they've appeared in, creating a network graph that calculates the shortest path from any actor to Kevin Bacon based on shared movie credits.

Is the Six Degrees of Kevin Bacon calculator available online?

Yes, there are several online calculators and websites dedicated to calculating the degrees of separation between actors and Kevin Bacon, often including user-friendly interfaces.

Can the Six Degrees of Kevin Bacon calculator be used for non-actors?

While the calculator is primarily designed for actors, it can sometimes connect non-actors involved in film production, such as directors and producers, to Kevin Bacon through their collaborative work.

What is the cultural significance of the Six Degrees of Kevin Bacon game?

The game highlights the interconnectedness of the film industry and popular culture, illustrating how seemingly unrelated people can be linked through shared experiences in cinema.

Are there any other similar concepts to the Six Degrees of Kevin Bacon?

Yes, similar concepts include the 'Small World Phenomenon' and other social network theories that explore how individuals are connected through mutual acquaintances.

Who created the Six Degrees of Kevin Bacon game?

The game was created in 1994 by three college students - Craig Fass, Brian Turtle, and Mike Ginelli - who developed it as a fun way to connect actors and Kevin Bacon.

Six Degrees Of Kevin Bacon Calculator

six degrees of kevin bacon calculator: *The Geeks' Guide to World Domination* Garth Sundem, 2009-03-10 TUNE IN. TURN ON. GEEK OUT. Sorry, beautiful people. These days, from government to business to technology to Hollywood, geeks rule the world. Finally, here's the book no self-respecting geek can live without-a guide jam-packed with 314.1516 short entries both useful and fun. Science, pop-culture trivia, paper airplanes, and pure geekish nostalgia coexist as happily in these pages as they do in their natural habitat of the geek brain. In short, dear geek, here you'll find everything you need to achieve nirvana. And here, for you pathetic nongeeks, is the last chance to save yourselves: Love this book, live this book, and you too can join us in the experience of total world domination. • become a sudoku god • brew your own beer • build a laser beam • classify all living things • clone your pet • exorcise demons • find the world's best corn mazes • grasp the theory of relativity • have sex on Second Life • injure a fish • join the Knights Templar • kick ass with sweet martial-arts moves • learn ludicrous emoticons • master the Ocarina of Time • pimp your cubicle • program a remote control • quote He-Man and Che Guevara • solve fiendish logic puzzles • touch Carl Sagan • unmask Linus Torvalds • visit Beaver Lick, Kentucky • win bar bets • write your name in Elvish Join us or die, you will. Begun, the Geek Wars have

six degrees of kevin bacon calculator: IT003 00 00000 III. 0000(Google Search) & 0000 0(Google Calculator) 000, 2017-04-17 '00 000 00000 000' 'IT00 00000(Easter Egg)' 0000 2017 4 00 00 000 000 000 00000. 0000 000 00 00 0 000 000000 000 00 000 000 0000 000 00000, 00 0000 000 0 000... 00 00000 000 00 000 00000 0000000(MicroSoft) 000 00 0000000 0000 0000 000 00000. 00 0000 000 0 00 00000(Easter Egg) 00 0000000 00 0000 00 000. 00000 000 "00 000000 000!" 000 "0 00 0000 00 00000?" 00 "0000 00" 00 00000 00. 000000 000 00 000 00 00 000 00 00 00 00000, 000 000 000 00 0000 00 '000' 000 00 0000 000 00, 00000 000 '0000 000' 00 000 00 00 0 00 000000 0000 0000 000 00. III. 0000(Google Search) & 00000(Google Calculator) : 000 000000 000 0000000 "000 00!" 0000 000 0 0 00 000 0000 0000000 0000 000 000 0 00. 000 000 0000 00 000 000000 00 0 00 '000 000'. 0000 0000 Askew & Tilt, 00000 Do a Barrel Roll 000 0 000 0000 Bletchley Park, 00000 0000 Webdriver Tors 00 000 000 00 0000 Festivus 00000 0000 Where is Chuck Norris? Six Degrees of Kevin Bacon... 000 0(Google Search) 000 000000 0000000 00 000000 0000! III-2. 00000(Google Calculator) : 00 0000 000 000 0 0000 00. 2011 000 00000(Google Calculator) '00000(Google Calculator)' 00 0000 00 0000 00 000 '0

0'0 0000 00, 0000 00 00 0000 0000. 1+1, 9*7=, 2/7 00 000000 0000 000000(Google Calculator)0 0000 0000
 0000 0000 PC 0000 00 0000 0000, 0000 00 0000 00. 000000(Google Calculator) 0000 00000000 0000, 0 0000
 '00'0 00 0 00 00 00 0000 00 0000 000000(Google Calculator)0 00 00 0000 00 00 0000 0000. 000000 000000
 0000 0000. 00000000 TTN Korea0 IT00(IT00) IT00(IT Rocket)0 00 0000, 0000, 0000 00 000000! B -00/Index- 0
 0(Publication Right) 0000(Main Title Page) 00(Index) IT00(IT Rocket)0 0000 00 000000! 000000(Easter
 Egg)0? 00 00000000 00 0 0000? 700 0000 III. 000000(Google Search) & 000000(Google Calculator) III-1. 0000
 0(Google Search) 1) 00 000000?(Is Google Down?) 2) 00, 0 0000 0 00?(Fun facts) 3) 0000, 0000 000000 00 00
 0000?(Who's the Cutest?) 4) 0000 00! Marquee html 5) 000000 0000 Blink html 6) 000000 00(Bletchley Park)
 7) 0! LGBT0 00 0000 000000 8) 00~ 00? 000000(Anagram) 9) 0000 00(Ascii Art) 10) 0000 000000 00
 0(Recursion) 11) 00 0000(A long time ago in a galaxy far far away) 12) 000000 000000~(Askew & Tilt) 13)
 000000 0000(Webdriver Torso) 14) 0000 00(Qingming) 15) 0 000000 0000?(Where is Chuck Norris?) 16) 0
 0(Kerning)0 00 0000. 17) 00 0000!(Do a Barrel Roll!) & 0 00 0! 0 0!!(Z or R Twice) 18) 000000(Festivus)
 19) I'm feeling lucky? III-2. 000000(Google Calculator) 1) 0, 00 0000 00 00 000000 0000?(The Answer to
 Life the Universe and Everything?) 2) 000000 00 0000 00?(What is the Loneliest Number?) 3) 000000 00 0
 0?(The Number of Horns on a Unicorn?) 4) 000000 12(Baker's Dozen)0 120 0000?! 5) 00 000000 600 00(Six
 Degrees of Kevin Bacon) 6) 00 00 0 0000?(Once in a Blue Moon) 7) '000000 0'0 '000000 00 0000 0'0 0000? 8) 2
 00(Binary), 800(Octal), 1600(Hexadecimal) 9) '00'0 0000 10) 0000(Bubble Level) 11) 000000(Metronome)
 III-3. 0000 00(Image Search) IT00(IT Rocket) 000000(11) 00000000 TTN Korea 000000(282) IT00 000000(Easter
 Egg) 0000(1100) IT000001 00 000000 I. 00 00(Google Doodles) IT000002 00 000000 II. 000000(Interface) IT0
 0003 00 000000 III. 00 00(Google Search) & 000000(Google Calculator) IT000004 00 000000 IV. 000000 0000 0
 0 0 00(Google Game) IT000005 00 000000 V. 0000(Youtube) IT000006 00 000000 VI. 0000(Google Map) IT0
 0007 00 000000 VII. 00 000000 0(Google Street View) & 0000(Pegman) IT000008 00 000000 VIII. 000000(Google
 Earth) IT000009 00 000000 IX. 000000(Android) & 000000(Chromecast) IT000010 00 000000 X. 00 IT000011 0
 000000 0000 000000 000000 00 0000

six degrees of kevin bacon calculator: [Software Development](#) , 1999

six degrees of kevin bacon calculator: Information Science Judith Pinter, David Hopping, 2022-12-30 Information Science: The Basics provides an accessible introduction to the multifaceted field of Information Science (IS). Inviting readers to explore a modern field of study with deep historical foundations, the book begins by considering the complexities of the term information and the information life cycle from classification to preservation. Each chapter examines a different area within IS, surveying its history, technologies, and practices with a critical eye. This interdisciplinary field incorporates a wide range of approaches which it shares with humanities, social science, and technology fields. What makes IS unique is its emphasis on the connections between information, technology, and society. The need to share information more effectively in response to social, environmental, and biomedical challenges has never been so urgent; the volume discusses the risks as well as benefits that come with the emerging technologies that make it possible. The book also explores how IS, with its long-standing commitment to intellectual freedom and digital inclusion, and its keen attention to the protection of privacy, data ethics, and algorithmic transparency, can contribute to the creation of a more open and equitable society. Information Science: The Basics is essential reading for anyone who wishes to know more about information and the impact it has on our world. It will be particularly useful for anyone intending to study IS at the undergraduate level or considering a shift to a career in the information professions.

Related to six degrees of kevin bacon calculator

Six (musical) - Wikipedia Six (stylised in all caps) is a British musical comedy with music, book, and lyrics by Toby Marlow and Lucy Moss. [1] It is a modern retelling of the lives of the six wives of Henry VIII, presented

SIX: The Musical on Broadway Tickets | 1 day ago Get official tickets to SIX: The Musical on Broadway at the Lena Horne Theatre from the trusted Broadway.com source for Broadway show info, tickets, reviews and news

US Tour - SIX on Broadway 1 day ago NEW HAVEN, CT Shubert Theatre September 25 - 28,

2025 ON SALE NOW PHILADELPHIA, PA Academy of Music September 30 - October 5, 2025 ON SALE NOW

SIX the Musical - Six (from the Studio Cast Recording) Taken from the Studio Cast Recording of SIX the Musical Available to stream, buy and download here: <https://slinky.to/Six-TheMusical> Click here to subscribe to

SIX: The Musical Videos | The BEST collection of SIX: The Musical videos including interviews, previews, behind the scenes, and original content

Six (TV Series 2017-2018) - IMDb Six: Created by William Broyles Jr., David Broyles. With Barry Sloane, Kyle Schmid, Juan Pablo Raba, Edwin Hodge. Navy SEAL Team Six attempt to eliminate a Taliban leader in

London | Six The Musical | Official Site Think you know the six Wives of Henry VIII? Think again The crowning glory of the West End, Broadway and beyond, history is about to get over-throne in the homegrown hit musical

Six Broadway Tickets | The Official NY Theatre Guide 4 days ago Get tickets to Six on Broadway from the official New York Theatre Guide. See historic queens as fierce pop stars in this Tony-winning global sensation

SIX - YouTube SIX the Musical (featuring Aimie Atkinson) - All You Wanna Do (from the Studio Cast Recording) SIX 8.7M views 5 years ago

Six (musical) - Wikipedia Six (stylised in all caps) is a British musical comedy with music, book, and lyrics by Toby Marlow and Lucy Moss. [1] It is a modern retelling of the lives of the six wives of Henry VIII, presented

SIX: The Musical on Broadway Tickets | 1 day ago Get official tickets to SIX: The Musical on Broadway at the Lena Horne Theatre from the trusted Broadway.com source for Broadway show info, tickets, reviews and news

US Tour - SIX on Broadway 1 day ago NEW HAVEN, CT Shubert Theatre September 25 - 28, 2025 ON SALE NOW PHILADELPHIA, PA Academy of Music September 30 - October 5, 2025 ON SALE NOW

SIX the Musical - Six (from the Studio Cast Recording) Taken from the Studio Cast Recording of SIX the Musical Available to stream, buy and download here: <https://slinky.to/Six-TheMusical> Click here to subscribe to

SIX: The Musical Videos | The BEST collection of SIX: The Musical videos including interviews, previews, behind the scenes, and original content

Six (TV Series 2017-2018) - IMDb Six: Created by William Broyles Jr., David Broyles. With Barry Sloane, Kyle Schmid, Juan Pablo Raba, Edwin Hodge. Navy SEAL Team Six attempt to eliminate a Taliban leader in

London | Six The Musical | Official Site Think you know the six Wives of Henry VIII? Think again The crowning glory of the West End, Broadway and beyond, history is about to get over-throne in the homegrown hit musical

Six Broadway Tickets | The Official NY Theatre Guide 4 days ago Get tickets to Six on Broadway from the official New York Theatre Guide. See historic queens as fierce pop stars in this Tony-winning global sensation

SIX - YouTube SIX the Musical (featuring Aimie Atkinson) - All You Wanna Do (from the Studio Cast Recording) SIX 8.7M views 5 years ago

Related to six degrees of kevin bacon calculator

HILARIOUS: Kevin Bacon plays along with 'Six Degrees of Kevin Bacon' game (WTVD11y) Kevin Bacon is not only aware of the "Six Degrees of Kevin Bacon" game, he's making it more awesome. A fan brought up the pop culture game during the panel for Bacon's show "The Following" at Comic

HILARIOUS: Kevin Bacon plays along with 'Six Degrees of Kevin Bacon' game (WTVD11y) Kevin Bacon is not only aware of the "Six Degrees of Kevin Bacon" game, he's making it more

awesome. A fan brought up the pop culture game during the panel for Bacon's show "The Following" at Comic

Related Articles

- [nurses week trivia questions](#)
- [wgu test answers](#)
- [mother s day plant poem](#)

[Back to Home](#)