D3JS GUIDE

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What is D3JS used for? js (also known as D3, short for Data-Driven Documents) is a JavaScript library for producing dynamic, interactive data visualizations in web browsers. It makes use of Scalable Vector Graphics (SVG), HTML5, and Cascading Style Sheets (CSS) standards.

Is it worth it to learn d3js? You need to learn a decent amount of D3 if... And ultimately, unless you want to target jobs that are engineering-focused, learning D3 should happen naturally, only as you need it. Although I love D3, and do think it's a valuable skill, I wouldn't place a high priority on it for a new learner.

Is d3js free to use? ? D3 (or D3.js) is a free, open-source JavaScript library for visualizing data.

Why is D3 js so hard? D3 is a very large set of modules with high customizability, so it can seem overwhelming to learn. The difficulty likely depends on an individual's experience with JavaScript, HTML and basic web development. It can be a steep learning curve for new programmers because there may be a lot of new concepts.

Is D3 JS easy? D3 library of JavaScript is known for its flexibility and power for creating interactive and/or animated visualizations and also its steep learning curve. This library is developed by Mike Bostock who also provided enormous number of high-quality visualizations and their codes.

Is D3 js slow? By default, D3. js uses SVG (Scalable Vector Graphics) to render data visualizations on web pages, but the vector-based format can be slow and inefficient when you have to render thousands or millions of elements.

Is D3 JS heavy?

What are the disadvantages of D3 JS?

Are people still using D3?

Why do we need D3 JS? D3 is a JavaScript library and framework for creating visualizations. D3 creates visualizations by binding the data and graphical elements to the Document Object Model. D3 associates (binding) the data (stuff you want to visualize) with the DOM. This allows the user to manipulate, change or add to the DOM.

What is the function of D3JS?

What is the use case of D3 JS?

What is the difference between react and D3JS? js vs React: What are the differences? Data Visualization Libraries: D3. js is primarily a data visualization library that allows for more control and flexibility when creating custom visualizations, whereas React is a JavaScript library focused on building user interfaces by using reusable UI components.

What are the key takeaways from Great by Choice? Takeaways for Self-Improvement Far from the boardroom, "Great by Choice" resonates deeply with any journey of self-improvement. Its principles are universally applicable: have the discipline to persevere, the creativity to innovate, and the paranoia to stay alert.

What is the summary of the book Great by Choice? Brief summary Great by Choice by Jim Collins and Morten T. Hansen is a management book that examines why some companies thrive in uncertainty while others fail. It shares insights and strategies for building a successful organization in turbulent times.

What companies are in Great by Choice? Great by Choice: An Overview Collins and his team shortlisted 20,400 companies, filtered them through 11 rounds of cuts and arrived at a final list of 7 companies: Amgen, Biomet, Intel, Microsoft, Progressive Insurance, Southwest Airlines and Stryker.

When was Great by Choice written? And keep in mind, this was 1911.

What is the overall key takeaways? Also known as "the crux of the matter" and the "nitty-gritty," key takeaways are short sentences that sum up the main points discussed during a call or a meeting. Without these takeaways, a meeting is like a quest without a quest. It's unproductive.

What are the 3 key takeaways on how to create great content?

What is the theme of the story The Choice? The novel examines the themes of Coincidence Versus Destiny, Choices and Their Consequences, and Challenges to Romantic Relationships.

What is the meaning of the book The Choice? She explains how many of us live within a mind that has become a prison, and shows how freedom becomes possible once we confront our suffering. Like Viktor Frankl's Man's Search for Meaning, but exceptional in its own right, The Choice is life changing.

What is the paradox of choice book about? Instead of increasing our freedom to have what we want, the paradox of choice suggests that having too many choices actually limits our freedom. Learning to choose is hard. Learning to choose well is harder. And learning to choose well in a world of unlimited possibilities is harder still, perhaps too hard.

What is a SMaC recipe? A SMaC recipe is a set of durable operating practices that creates a replicable, consistent success formula. The word "SMaC" stands for Specific, Methodical, and Consistent. A solid SMaC recipe is the operating code for turning strategic concepts into reality, a set of practices more enduring than mere tactics.

What are the 11 companies in good to great? To identify "great" companies, Collin and his research team started with 1,435 good companies, examined their performance over 40 years, and identified 11 companies that became great, namely Abbott, Circuit City, Fannie Mae, Gillette, Kimberly-Clark, Kroger, Nucor, Philip Morris, Pitney Bowes, Walgreens, Wells Fargo.

What companies are in the very group? Operations. Very.co.uk, Littlewoods.com and Littlewoods Ireland retail clothing and footwear, electricals, home and furniture, gifts and beauty, outdoor and seasonal, and toys. Very Exclusive sells luxury

fashion. As well as its celebrity brands, Shop Direct previously had a stable of own-brand fashion labels.

What is the summary of great by choice? In Great by Choice, Jim Collins states that instead of big leap innovations, 10X companies "fire bullets, then cannonballs" to try out new products, technologies, services, and processes. The bullets are experiments – low-cost, low-risk, low-distraction tests – to see what works and what doesn't.

What is the quote from great by choice? greatness is first and foremost a matter of conscious choice and discipline. When you marry operating excellence with innovation, you multiply the value of your creativity.

When was the choice written? The Choice is a 2007 novel written by Nicholas Sparks.

What is the meaning of Habba Khatoon? Yusuf Shah annulled her marriage and took her to the royal palace and prevailed on her to marry him. In 1570, Zooni married Yusuf Shah and changed her name to Habba Khatun (meaning 'loved woman') and became a member of the royal family.

Why is Habba Khatoon called Nightingale of Kashmir? The Nightingale of Kashmir, Habba Khatoon, also known as "Zoon" (the moon) because of her immense beauty — "the dazzling damsel" is one of the many mystic poets from the ancient valley of Kashmir.

Why is Habba Khatoon Peak named so? Habba Khatoon Peak, named after the renowned Kashmiri poetess, is a natural marvel that adds to the allure of Kashmir's picturesque landscapes. Pyramid-Shaped Majesty: Habba Khatoon Peak, with its distinct pyramid shape, stands as the most fascinating peak in the Kashmir region.

What is the writing style of Habba Khatoon? Her Poetic Style: She wrote bold romantic poetry and also used clear language of romance. Her poems are full of sorrow as well as personal. Her poems are romantic, highly metaphorical and symbolic. Unlike spiritual poets of her time, Habba Khatoon wrote poems about earthly and physical love.

What does Khatoon mean in Islam? noun. kha·?tun. (?)kä¦tün. plural -s. : a woman of rank or position in Muslim countries.

What is the meaning of Habba in Arabic? Habb or al habba can mean one small piece, a small part of a bigger thing or the weight of something. For example, habb can be used in the context to describe a grain of rice, the seed of an apple or a tiny piece of bread.

Who was the first queen of Kashmir? But the first queen monarch of Kashmir, Yasovati, who formalised the rule of women in Kashmir and built the framework for it, has been forgotten by historians throughout history.

Which lady is called Nightingale of India? Sarojini Chattopadhyay Naidu was a key figure during India's independence struggle. Her work as a poet earned her the title of 'Nightingale of India' from Mahatma Gandhi. Along with this, she is also remembered for activism regarding women's emancipation, civil rights and anti-colonialism.

Who is known as a nightingale of India? Sarojini Naidu, also known as the Nightingale of India, was a renowned freedom fighter and a politician who played a significant role in India's struggle for independence. Born on February 13, 1879, in Hyderabad, Sarojini Naidu was a gifted poet, writer, and orator.

Where is the grave of Habba Khatoon?

How tall is the peak of Habba Khatoon? Habba Khatoon — the graceful, gigantic mountain, 13,000-foot, pyramid-shaped peak that rises over the town and is named after the eponymous peasant-queen-poetess, often referred to as 'Nightingale of Kashmir', who is said to have lived near the mountain's base as a young woman.

What is the meaning of loal in Kashmiri? Loal, is the Kashmiri term for love and longing Mehak Jamal, a writer and filmmaker is collecting such stories of love shaped by the conflict.

Who is known as the father of Kashmiri ghazal?

Who wrote the book Habba Khatoon? The book has been penned down by Kajal Suri. Habba Khatoon was a renowned poetess of Kashmir. Kajal has done creative work by publishing a play on her in a book shape. She is presently working as a programming executive at All India Radio, New Delhi.

What is the meaning of zooni in Kashmiri? Meaning 'Moon' in the Dardic Koshur language, it is reminiscent of the saint and poetess - Habba Khatun #habbakhatoon ~ some spirit of 'Zooni' is manifest in every woman of Occupied Kashmir.

What is a female Khan called? Khatun (/x??tu?n/ kh?-TOON) is a title of the female counterpart to a khan or a khagan of the Turkic Khaganates and in the subsequent Mongol Empire.

What is the opposite of Khatoon? There are also several similar words to Khatoon in our dictionary, which are Female, Gal, Matron, Miss and Woman. Apart from similar words, there are always opposite words in dictionary too, the opposite words for Khatoon are Man.

What do we call Khatoon in English? There are always several meanings of each word in English, the correct meaning of Khatoon in English is Lady, and in Urdu we write it ?????. The other meanings are Khatoon, Sahiba, Mohtarma and Biwi. By form, the word Lady is an noun, plural ladies.

What is the meaning of Habba? ? habba. any of the festivals observed on days of conjunctions, as full moon-day, new moon-day, the days of solastices, etc. a time or day of feasting or celebration; a festival day. (fig.) joy; delight.

What does Habba Habba mean? (an exclamation of admiration, approval, or enthusiasm, used especially by G.I.'s of World War II as a shout in appreciation of a pretty girl.)

What does Muji mean in Arabic? The name Muji is a boy name of Arabic origin meaning "Created".

Who ruled Kashmir first?

Who was the witch queen of Kashmir? The correct answer is Didda. Queen Didda is also known as The Witch Queen and The Catherine of Kashmir. Didda was the ruler of Kashmir from 980 CE to 1003 CE.

Who was the powerful female monarch of Kashmir? Didda (c. 924 CE – 1003 CE), also known as The Catherine of Kashmir, was the last ruler of Utpala dynasty from 980 CE to 1003 CE. She first acted as regent for her son and various grandsons from 958 CE to 980 CE, and from 980 CE as sole ruler and monarch.

What is the real name of Nightingale?

Why is Nightingale called Nightingale? Common nightingales are so named because they frequently sing at night as well as during the day. The name has been used for more than 1,000 years, being highly recognisable even in its Old English form nihtegale, which means "night songstress". Early writers assumed the female sang when it is in fact the male.

Who is the nightingale woman? Florence Nightingale (1820-1910) was a legend in her own lifetime and one of the most famous women in British history. Her work in the Crimea set the standards for modern nursing. For the rest of her life, she continued to campaign for improved sanitary conditions in both military and civilian hospitals.

What does Habba Habba mean? (an exclamation of admiration, approval, or enthusiasm, used especially by G.I.'s of World War II as a shout in appreciation of a pretty girl.)

What is the religion of Habba Khatoon? Habba Khatoon (Kashmiri pronunciation: [hab? xo?t?u?n]; born Zoon (Kashmiri pronunciation: [zu?n]) ; sometimes spelled Khatun), also known by the honorary title The Nightingale of Kashmir, was a Kashmiri Muslim poet and ascetic in the 16th century.

What is the meaning of Aalimah in Quran? Aalimah - Knowing; Knowledgeable; Skilled In Music Or Dance; Scholar; Authority. Gender: Girl. Numerology: 9. Syllables: 3. Religion: Muslim.

What does Khatoon mean in Turkish? The name Khatoon is a girl name of Turkish origin meaning "Begum woman".

What is habba meaning? small piece or portion, jot or tittle, particle.

What does Haba Haba mean in English? "Haba Haba" (English: "Little by Little", Norwegian: "Steg for steg") is a song performed by Norwegian-Kenyan singer-songwriter Stella Mwangi.

What ethnicity is Habba? Habba and her two siblings were born in Summit, New Jersey. Their parents were Arab Catholics who emigrated from Iraq to the United States in the early 1980s to escape persecution in their home country. Her father, Saad F. Habba, is a gastroenterologist. Habba graduated from Kent Place School in 2002.

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What is the religion of Zakir? Zakir Abdul Karim Naik (born 18 October 1965) is an Indian Islamic public orator who focuses on comparative religion. He is the founder and president of the Islamic Research Foundation (IRF) and Peace TV.

Who is Alima in Islam? Alimah means a woman scientist or scholar in Arabic the male version of that would be Alim there are many translations in English but the best one would be scholar. To become one you have to devote a lot of time and be determined to study Islam and become knowledgeable in many parts of it.

Is alimah a degree? This rich and comprehensive course is divided into foundational and advanced modules in which students are awarded a degree for every year of study.

How to become an alimah?

What is a female Khan called? Khatun (/x??tu?n/ kh?-TOON) is a title of the female counterpart to a khan or a khagan of the Turkic Khaganates and in the subsequent Mongol Empire.

What does Khatoon mean in Farsi? Khatun, from Persian ????? (x?t?n), from Sogdian xwat?n ("ruler's wife"), was originally the female counterpart of a khan (as in Kublai Khan). Historically, khatun meant "queen regnant" and was a title used in the Turkic Khaganate and in the Mongol Empire. This is the English meaning of the word khatun.

What does naz khatoon mean? In Persian, 'Naz', pronounced 'Naaz' means lovely, sweet or flirtatious, and 'Khatun' means lady. So, the name of this dish is literally Sweet Lady.

Shannon-Wiener Diversity Index: A Lab Exploration

Purpose:

The Shannon-Wiener Diversity Index is a mathematical measure of species diversity within a community. It takes into account both the number of different species present and their relative abundances.

Materials:

- Species abundance data
- Calculator

Procedure:

1. Calculate the proportion of individuals belonging to each species:

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pi = ni / N
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Where:

- pi = Proportion of individuals belonging to species i

- ni = Number of individuals belonging to species i

- N = Total number of individuals in the community

2. Calculate the natural logarithm of each proportion (log(pi)):

3. Multiply log(pi) by the proportion:

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pi * log(pi)
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4. Sum the values obtained in step 3 for all species in the community:

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H' = - ?(pi * log(pi))
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Where:

- H' = Shannon-Wiener Diversity Index

Questions and Answers:

1. What is the range of the Shannon-Wiener Index? Answer: H' ranges from 0 to infinity. A higher index value indicates higher diversity.

2. When is the H' index equal to 0? Answer: H' is equal to 0 when there is only one species present in the community (i.e., no diversity).

3. When is the H' index highest? Answer: H' is highest when the community is made up of many species with relatively equal abundances.

4. What is the difference between species richness and species diversity? Answer: Species richness is the number of different species present, while species diversity takes into account both species richness and evenness of abundances.

5. How can the Shannon-Wiener Index be used to compare diversity between communities? Answer: The Shannon-Wiener Index can be used to quantify and compare the diversity of different communities. A higher H' index indicates a more diverse community.

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