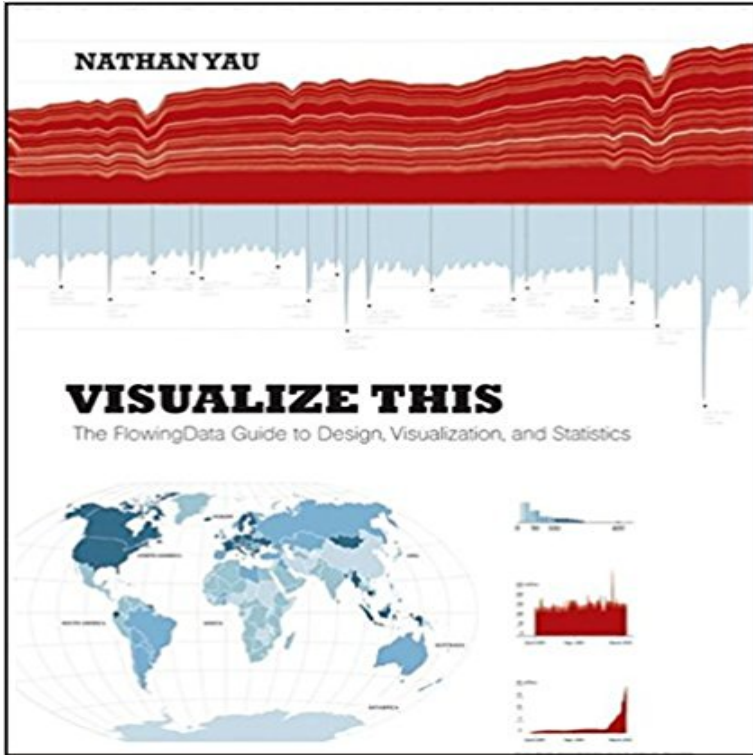


# Visualize This: The FlowingData Guide to Design, Visualization, and Statistics



Design, Visualization, and data visualization expert of the modern age. Data doesn't decrease; it is ever-increasing and can be overwhelming to organize in a way that makes sense to its intended audience. Wouldn't it be wonderful if we could actually visualize data in such a way that we could maximize its potential and tell a story in a clear, concise manner? Thanks to the creative genius of Nathan Yau, we can. With this full-color book, data visualization guru and author Nathan Yau uses step-by-step tutorials to show you how to visualize and tell stories with data. He explains how to gather, parse, and format data and then design high quality graphics that help you explore and present patterns, outliers, and relationships. Presents a unique approach to visualizing and telling stories with data, from a data visualization expert and the creator of [flowingdata.com](http://flowingdata.com), Nathan Yau. Offers step-by-step tutorials and practical design tips for creating statistical graphics, geographical maps, and information design to find meaning in the numbers. Details tools that can be used to visualize data-native graphics for the Web, such as ActionScript, Flash libraries, PHP, and JavaScript and tools to design graphics for print, such as R and Illustrator. Contains numerous examples and descriptions of patterns and outliers and explains how to show them. Visualize This demonstrates how to explain data visually so that you can present your information in a way that is easy to understand and appealing.

From the Author: Telling Stories with Data  
Author  
Nathan Yau  
A common mistake in data design is to

approach a project with a visual layout before looking at your data. This leads to graphics that lack context and provide little value. Visualize This teaches you a data-first approach. Explore what your data has to say first, and you can design graphics that mean something. Visualization and data design all come easier with practice, and you can advance your skills with every new dataset and project. To begin though, you need a proper foundation and know what tools are available to you (but not let them bog you down). I wrote Visualize This with that in mind. You'll be exposed to a variety of software and code and jump right into real-world datasets so that you can learn visualization by doing, and most importantly be able to apply what you learn to your own data.

Three Data Visualization Steps:

- 1) Ask a Question [\(Click Graphic to See Larger Version\)](#) When you get a dataset, it sometimes is a challenge figuring out where to start, especially when it's a large dataset. Approach your data with a simple curiosity or a question that you want answered, and go from there.
- 2) Explore Your Data [\(Click Graphic to See Larger Version\)](#) A simple curiosity often leads to more questions, which are a good guide for what stories to dig into. What variables are related to each other? Can you see changes over time? Are there any features in the data that stand out? Find out all you can about your data, because the more you know what's behind the numbers, the better story you can tell.
- 3) Visualize Your Data [\(Click Graphic to See Larger Version\)](#) Once you know the important parts of your data, you can design

graphics the best way you see fit. Use shapes, colors, and sizes that make sense and help tell your story clearly to readers. While the base of your charts and graphs will share many of the same properties “ bars, slices, dots, and lines “ the final design elements will and should vary by your unique dataset.

Dead on Revival Main menu Skip to content Home About the Blog About the Blogger The Alphabet The List Sleep now; fear human nature tomorrow POSTED ON FEBRUARY 16, 2016 Ive had this blog for nearly a decade. Fuck. POSTED IN LIFE A Prayer POSTED ON NOVEMBER 27, 2015 You are, of course, too much I am easily tired and slow Where you run on for days without rest: The God of ultra-marathons and Bolt Who still jogs beside me on my 12-minute mile Where you work without end: The Messenger for Gods without rest or relent Who pulls me to my feet on 14 hour shifts Where you laugh without reserve: The Prankster who steals their best friends cows Who reminds me that may it harm none we all need to have fun Where you lead: The Guide today until death Who rides beside me on long sleepy nights Enagonius, Poneomenos, Mechanotes, Diaktoros Transcendent and eternal You called to me and I fall at your feet I thank you, Lord Hermes, for your blessings and your indulgence as I find my way on your path POSTED IN LIFE TAGGED DRU TALKS GODS, HELLENIC POLYTHEIST, HERMES, POLYTHEISM, PRAYER Drunk Advice From A God POSTED ON NOVEMBER 3, 2015 2 the days are pouring nectar down my throat so thick and sweet that it makes my teeth brittle in exhalation to life and he tastes like spiced wine, in-toxicating and scalding as he elevates me the way a lift carries you as high as you ask it as high as its able He laughs: Burn Your Feet flying through inexorable hours you once spent languishing in despondence Reach out with both your hands for Death and screech your joy when She recoils, smiling POSTED IN LIFE TAGGED DEVOTIONAL STUFF, DRU BLOGS, HERMES, MY STUFF, PERSONAL, POETRY, WRITING Eirwyn p1 POSTED ON JULY 8, 2015 Once upon a time, in a land bordered by a lush, dark wood, there ruled the kind but simple king, Gwirion. Fortunately for his kingdom his young queen, Bywyd was as sharp as he was dull. She advised him in all matters of state, and benevolently attended concerned citizens and visiting dignitaries alike, always with a graceful nod to her husband and a quiet “May it please your Majesty.” So it was that they ruled in peace for many years troubled only by the lack of Ysbryd-ane an heir to carry on the divine dragon blood of Gwirions ancestors. When Bywyd found herself full with child at last she rejoiced that their kingdom would be secured, their rule assuredly peaceful for the rest of their lives. And when the child was born, with raven black hair so dark against eyes as blue as lightning and skin as pale as snow, they called her Eirwyn and raised her to understand the five aspects of the dragon that she must ever personify to rule her people. Before her sixth birthday, Eirwyn was already tired of the dusty words she had learned by rote. POSTED IN WRITING TAGGED BLOG, CAMP NANOWRIMO, FAIRY TALE, FEEDBACK PLZ?, WRITING vibrato POSTED ON JULY 8, 2015 OK. Im shaking apart inside Tremors that are too fine to be seen or felt Maybe i can hear them though? If I listen v carefully Cool. Im not really sure why. Maybe minds are meant to fall apart when theyre as delicately stitched together as mine? Ooh or Im picking at the metaphorical seams because Im just so godsdamned bored! Yas. Lets make this an intentional thing Consequences of choices are always easier to stomach Even if theyre shitty Mm. Learn to trust your audience, right? Youre all such bright young things. Your capable and endlessly receptive. Just Like me. POSTED IN WRITING TAGGED IT JUST SEEMS ARROGANT TO CAPITALISE YOUR

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