Case In Point: Graph Analysis For Consulting And Case Interviews

Chapter 7. Case Study : Comparing Twitter Archives; Getting the Data and Distribution of Tweets; Word Frequencies; Comparing Word Usage; Changes in Word Use; Fav
Retweets; Summary; Chapter 8. Case Study : Mining NASA Metadata; How Data Is Organized at NASA; Wrangling and Tidying the Data; Some Initial Simple Exploration; W
ocurrences and Correlations; Networks of Description and Title Words; Networks of Keywords; Calculating tf-idf for the Description Fields; What Is tf-idf for the Descri
Words?; Connecting Description Fields to Keywords; Topic Modeling.

• New York Times bestseller • The 100 most substantive solutions to reverse global warming, based on meticulous research by leading scientists and policymakers aro
"At this point in time, the Drawdown book is exactly what is needed; a credible, conservative solution-by-solution narrative that we can do it. Reading it is an effective
against the widespread perception of doom that humanity cannot and will not solve the climate crisis. Reported by-effects include increased determination and a sens
hope." —Per Espen Stoknes, Author, What We Think About When We Try Not To Think About Global Warming "There's been no real way for ordinary people to get an
understanding of what they can do and what impact it can have. There remains no single, comprehensive, reliable compendium of carbon-reduction solutions across se
until now. . . . The public is hungry for this kind of practical wisdom." —David Roberts, Vox "This is the ideal environmental sciences textbook—only it is too interesting
be called a textbook." —Peter Kareiva, Director of the Institute of the Environment and Sustainability, UCLA In the face of widespread fear and apathy, an international
researchers, professionals, and scientists have come together to offer a set of realistic and bold solutions to climate change. One hundred techniques and practices a
here—some are well known; some you may have never heard of. They range from clean energy to educating girls in lower-income countries to land use practices that
the air. The solutions exist, are economically viable, and communities throughout the world are currently enacting them with skill and determination. If deployed collect
global scale over the next thirty years, they represent a credible path forward, not just to slow the earth's warming but to reach drawdown, that point in time when
the atmosphere peak and begin to decline. These measures promise cascading benefits to human health, security, prosperity, and well-being—giving us every reason to
crisis as an opportunity to create a just and livable world.

Are all film stars linked to Kevin Bacon? Why do the stock markets rise and fall sharply on the strength of a vague rumour? How does gossip spread so quickly? Are w
through six degrees of separation? There is a growing awareness of the complex networks that pervade modern society. We see them in the rapid growth of the Inter
global communication, the swift spread of news and information, and in the way epidemics and financial crises develop with startling speed and intensity. This introdu
new science of networks takes an interdisciplinary approach, using economics, sociology, computing, information science and applied mathematics to address fundame
about the links that connect us, and the ways that our decisions can have consequences for others.

Whether you are new to Stata graphics or a seasoned veteran, A Visual Guide to Stata Graphics, Second Edition will teach you how to use Stata to make publication-q
will stand out and enhance your statistical results. With over 900 illustrated examples and quick-reference tabs, this book quickly guides you to the information you n
and customizing high-quality graphs for any types of statistical data.

Network Graph Analysis and Visualization with Gephi
Data Visualization
Complete Case Interview Prep
Networks, Crowds, and Markets
Range
The Most Comprehensive Plan Ever Proposed to Reverse Global Warming

One of the most time-consuming tasks in clinical medicine is seeking the opinions of specialist colleagues. There is a pressure not only to make referrals appropriate but also to summarize the case in the language of the specialist. This book explains basic physiologic and pathophysiologic mechanisms of cardiovascular disease in a straightforward manner, gives guidelines as to when referral is appropriate, and, uniquely, explains what the specialist is likely to do. It is ideal for any hospital doctor, generalist, or even senior medical student who may need a cardiology opinion, or for that ma.

"Unsettled is a remarkable book—probably the best book on climate change for the intelligent layperson—that achieves the feat of conveying complex information clearly and in depth." —Claremont Review of Books "Surging sea levels are inundating the coasts." "Hurricanes and tornadoes are becoming fiercer and more frequent." "Climate. change will be an economic disaster." You've heard all this presented as fact. But according to science, all of these statements are profoundly misleading. When it comes to climate change, the media, politicians, and other prominent voices have declared that "the science is settled." In reality, the long game of telephone from research to reports to the popular media is corrupted by misunderstanding and misinformation. Core questions—about the way the climate is responding to our influence, and what the impacts will be—remain largely unanswered. The climate is changing, but the why and how aren't as clear as you've probably been led to believe. Now, one of America's most distinguished scientists is clearing away the fog to explain what science really says (and doesn't say) about our changing climate. In Unsettled: What Climate Science Tells Us, What It Doesn't, and Why It Matters, Steven Koonin draws upon his decades of experience—including as a top science advisor to the Obama administration—to provide up-to-date insights and expert perspective free

from political agendas. Fascinating, clear-headed, and full of surprises, this book gives readers the tools to both understand the climate issue and be savvier consumers of science media in general. Koonin takes readers behind the headlines to the more nuanced science itself, showing us where it comes from and guiding us through the implications of the evidence. He dispels popular myths and unveils little-known truths: despite a dramatic rise in greenhouse gas emissions, global temperatures actually decreased from 1940 to 1970. What's more, the models we use to predict the future aren't able to accurately describe the climate of the past, suggesting they are deeply flawed. Koonin also tackles society's response to a changing climate, using data-driven analysis to explain why many proposed "solutions" would be ineffective, and discussing how alternatives like adaptation and, if necessary, geoengineering will ensure humanity continues to prosper. Unsettled is a reality check buoyed by hope, offering the truth about climate science that you aren't getting elsewhere—what we know, what we don't, and what it all means for our future.

The majority of data sets collected by researchers in all disciplines are multivariate, meaning that several measurements, observations, or recordings are taken on each of the units in the data set. These units might be human subjects, archaeological artifacts, countries, or a vast variety of other things. In a few cases, it may be sensible to isolate each variable and study it separately, but in most instances all the variables need to be examined simultaneously in order to fully grasp the structure and key features of the data. For this purpose, one or another method of multivariate analysis might be helpful, and it is with such methods that this book is largely concerned. Multivariate analysis includes methods both for describing and exploring such data and for making formal inferences about them. The aim of all the techniques is, in general sense, to display or extract the signal in the data in the presence of noise and to find out what the data show us in the midst of their apparent chaos. An Introduction to Applied Multivariate Analysis with R explores the correct application of these methods so as to extract as much information as possible from the data at hand, particularly as some type of graphical representation, via the R software. Throughout the book, the authors give many examples of R code used to apply the multivariate techniques to multivariate data.

Fixed Point Theory and Graph Theory provides an intersection between the theories of fixed point theorems that give the conditions under which maps (single or multivalued) have solutions and graph theory which uses mathematical structures to illustrate the relationship between ordered pairs of objects in terms of their vertices and directed edges. This edited reference work is perhaps the first to provide a link between the two theories, describing not only their foundational aspects, but also the most recent advances and the fascinating intersection of the domains. The authors provide solution methods for fixed points in different settings, with two chapters devoted to the solutions method for critically important non-linear problems in engineering, namely, variational inequalities, fixed point, split feasibility, and hierarchical variational inequality problems. The last two chapters are devoted to integrating fixed point theory in spaces with the graph and the use of retractions in the fixed point theory for ordered sets. Introduces both metric fixed point and graph theory in terms of their disparate foundations and common application environments Provides a unique integration of otherwise disparate domains that aids both students seeking to understand either area and researchers interested in establishing an integrated research approach Emphasizes solution methods for fixed points in non-linear problems such as variational inequalities, split feasibility, and hierarchical variational inequality problems that is particularly appropriate for engineering and core science applications

A Tidy Approach
Storytelling with Data
Visualization That Means Something
The Big Book of Conflict Resolution Games: Quick, Effective Activities to Improve Communication, Trust and Collaboration
Visualizing Graph Data
Statistics in a Nutshell

Estimation of the Time Since Death remains the foremost authoritative book on scientifically calculating the estimated time of death postmortem. Building on the success of previous editions which covered the early postmortem period, this new edition also covers the later postmortem period including putrefactive changes, entomology, and postmortem r

Learn how to use R to turn raw data into insight, knowledge, and understanding. This book introduces you to R, RStudio, and the tidyverse, a collection of R packages designed to work together to make data science fast, fluent, and fun. Suitable for readers with no previous programming experience, R for Data Science is designed to get you doing data science as quickly as possible. Authors Hadley Wickham and Garrett Grolemund guide you through the steps of importing, wrangling, exploring, and modeling your data and communicating the results. You'll get a complete, big-picture understanding of the data science cycle, along with basic tools you need to manage the details. Each section of the book is paired with exercises to help you practice what you've learned along the way. You'll learn how to: Wrangle—transform your datasets into a form convenient for analysis Program—learn powerful R tools for solving data problems with greater clarity and ease Explore—examine your data, generate hypotheses, and quickly test them Model—provide a low-dimensional summary that captures true "signals" in your dataset Communicate—learn R Markdown for integrating prose, code, and results

Featuring the Ivy Case System - including a section on government and nonprofit cases.
A clear and concise introduction and reference for anyone new to the subject of statistics.
Case in Point 9
Complete Case Interview Preparation
Reasoning About a Highly Connected World
R for Data Science

Your Shortcut Guide to Mastering Consulting Interviews
Case in Point 10

A bestselling modern classic—both poignant and funny—narrated by a fifteen year old autistic savant obsessed with Sherlock Holmes, this dazzling novel weaves together an old-fashioned mystery, a contemporary coming-of-age story, and a fascinating excursion into a mind incapable of processing emotions. Christopher John Francis Boone knows all the countries of the world and their capitals and every prime number up to 7,057. Although gifted with a superbly logical brain, Christopher is autistic. Everyday interactions and admonishments have little meaning for him. At fifteen, Christopher's carefully constructed world falls apart when he finds his neighbour's dog Wellington impaled on a garden fork, and he is initially blamed for the killing. Christopher decides that he will track down the real killer, and turns to his favourite fictional character, the impeccably logical Sherlock Holmes, for inspiration. But the investigation leads him down some unexpected paths and ultimately brings him face to face with the dissolution of his parents' marriage. As Christopher tries to deal with the crisis within his own family, the narrative draws readers into the workings of Christopher's mind. And herein lies the key to the brilliance of Mark Haddon's choice of narrator: The most wrenching of emotional moments are chronicled by a boy who cannot fathom emotions. The effect is dazzling, making for one of the freshest debut in years: a comedy, a tearjerker, a mystery story, a novel of exceptional literary merit that is great fun to read.

The #1 New York Times bestseller that has all America talking—with a new afterword on expanding your range—as seen on CNN's Fareed Zakaria GPS, Morning Joe, CBS This Morning, and more. "The most important business—and parenting—book of the year." —Forbes "Urgent and important. . . an essential read for bosses, parents, coaches, and anyone who cares about improving performance." —Daniel H. Pink Shortlisted for the Financial Times/McKinsey Business Book of the Year Award Plenty of experts argue that anyone who wants to develop a skill, play an instrument, or lead their field should start early, focus intensely, and rack up as many hours of deliberate practice as possible. If you dabble or delay, you'll never catch up to the people who got a head start. But a closer look at research on the world's top performers, from professional athletes to Nobel laureates, shows that early specialization is the exception, not the rule. David Epstein examined the world's most successful athletes, artists, musicians, inventors, forecasters and scientists. He discovered that in most fields—especially those that are complex and unpredictable—generalists, not specialists, are primed to excel. Generalists often find their path late, and they juggle many interests rather than focusing on one. They're also more creative, more agile, and able to make connections their more specialized peers can't see. Provocative, rigorous, and engrossing, Range makes a compelling case for actively cultivating inefficiency. Failing a test is the best way to learn. Frequent quitters end up with the most fulfilling careers. The most impactful inventors cross domains rather than deepening their knowledge in a single area. As experts silo themselves further while computers master more of the skills once reserved for highly focused humans, people who think broadly and embrace diverse experiences and perspectives will increasingly thrive.

25 Need-to-Know MBA Models provides easy access to the most useful models, tools and concepts that are covered on MBA programmes. Whether you are a student about to embark on an MBA or a manager who wants to understand the ideas taught, this guide will help you to get ahead. Covering 25 key models that have been picked from programmes around the world, 25 Need-to-Know MBA Models cuts through the jargon to give you the core information on each model: what it is, when to use it, how to use it with key practical tips. Want new ways of looking at old problems? Need a range of management decision-making tools at your fingertips? Only want what you need to know, rather than reams of theory? Includes 10 handy dos and don'ts of using MBA models With indispensable models that will help you make the most out of every business opportunity, this book tells you what you need to know, fast.

Graph data closes the gap between the way humans and computers view the world. While computers rely on static rows and columns of data, people navigate and reason about life through relationships. This practical guide demonstrates how graph data brings these two approaches together. By working with concepts from graph theory, database schema, distributed systems, and data analysis, you'll arrive at a unique intersection known as graph thinking. Authors Denise Koessler Gosnell and Matthias Broecheler show data engineers, data scientists, and data analysts how to solve complex problems with graph databases. You'll explore templates for building with graph technology, along with examples that demonstrate how teams think about graph data within an application. Build an example application architecture with relational and graph technologies Use graph technology to build a Customer 360 application, the most popular graph data pattern today Dive into hierarchical data and troubleshoot a new paradigm that comes from working with graph data Find paths in graph data and learn why your trust in different paths motivates and informs your preferences Use collaborative filtering to design a Netflix-inspired recommendation system

Graph Algorithms
What Climate Science Tells Us, What It Doesn't, and Why It Matters
Practical Examples in Apache Spark and Neo4j
Fixed Point Theory and Graph Theory
Saving Women's Lives
Strategies for Improving Breast Cancer Detection and Diagnosis

Case interviews come in all formats. The key, as an interviewee, is being prepared. Know what the interviewer is looking for, know the industry/sector, the jargon, the constraints and stakeholders, and how people in the industry operate. Government and nonprofit cases span a wide variety of problems, issues, stakeholders, and politics, which makes them trickier than private sector case interviews.

Why are business case competitions important? They teach future leaders how to translate classroom knowledge into positive results. Analyzing a situation, diagnosing a problem, formulating and presenting a recommendation, and gaining approval from executive leadership is one of the best processes you can learn in business school to ensure success. You are not only codifying textbook learning, you are also learning to incorporate it with teamwork, interpersonal communication, and influence. Experts Jason Rife, Kara Kravetz Cupoli, and Marc Cosentino share insight and tips in this must-have guide.

For many researchers, Python is a first-class tool mainly because of its libraries for storing, manipulating, and gaining insight from data. Several resources exist for individual pieces of this data science stack, but only with the Python Data Science Handbook do you get them all—IPython, NumPy, Pandas, Matplotlib, Scikit-Learn, and other related tools. Working scientists and data crunchers familiar with reading and writing Python code will find this comprehensive desk reference ideal for tackling day-to-day issues: manipulating, transforming, and cleaning data; visualizing different types of data; and using data to build statistical or machine learning models. Quite simply, this is the must-have reference for scientific computing in Python. With this handbook, you'll learn how to use: IPython and Jupyter: provide computational environments for data scientists using Python NumPy: includes the ndarray for efficient storage and

manipulation of dense data arrays in Python Pandas: features the DataFrame for efficient storage and manipulation of labeled/columnar data in Python Matplotlib: includes capabilities for a flexible range of data visualizations in Python Scikit-Learn: for efficient and clean Python implementations of the most important and established machine learning algorithms

Cheng, a former McKinsey management consultant, reveals his proven, insider'smethod for acing the case interview.

Graph Analysis for Consulting and Case Interviews

Crack the Case System

Hacking the Case Interview

Applying Graph Thinking and Graph Technologies to Solve Complex Problems

Data Points

Who has time to read text books? As a busy business analysis consultant and instructor, my free time is short and precious. That is why I like to read articles. They are brief and to the point. I like quick reference cards for a similar reason — they offer immediate help. I also like humor in the context of the subject. Laughter keeps me interested and awake. If you're busy like me, this book is for you. It is a collection of short business analysis articles, humorous but pertinent stories and quick reference cards. • If you are a business analyst practitioner, these articles will confirm best practices or provide you additional insight as to why they are best practices; no matter how good you are at eliciting and documenting requirements, you can always improve. • If you are a professor at an institution of higher learning, these articles can serve as a source for discussion at both the graduate and undergraduate level.

A practical, hands-on guide, that provides you with all the tools you need to visualize and analyze your data using network graphs with Gephi.This book is for data analysts who want to intuitively reveal patterns and trends, highlight outliers, and tell stories with their data using Gephi. It is great for anyone looking to explore interactions within network datasets, whether the data comes from social media or elsewhere. It is also a valuable resource for those seeking to learn more about Gephi without being overwhelmed by technical details.

An accessible primer on how to create effective graphics from data This book provides students and researchers a hands-on introduction to the principles and practice of data visualization. It explains what makes some graphs succeed while others fail, how to make high-quality figures from data using powerful and reproducible methods, and how to think about data visualization in an honest and effective way. Data Visualization builds the reader's expertise in ggplot2, a versatile visualization library for the R programming language. Through a series of worked examples, this accessible primer then demonstrates how to create plots piece by piece, beginning with summaries of single variables and moving on to more complex graphics. Topics include plotting continuous and categorical variables; layering information on graphics; producing effective "small multiple" plots; grouping, summarizing, and transforming data for plotting; creating maps; working with the output of statistical models; and refining plots to make them more comprehensible. Effective graphics are essential to communicating ideas and a great way to better understand data. This book provides the practical skills students and practitioners need to visualize quantitative data and get the most out of their research findings. Provides hands-on instruction using R and ggplot2 Shows how the "tidyverse" of data analysis tools makes working with R easier and more consistent Includes a library of data sets, code, and functions

The Wall Street Journal calls Case in Point the MBA Bible! Cosentino demystifies the consulting case interview. He takes you inside a typical interview by exploring the various types of case questions and he shares with you the acclaimed Ivy Case System which will give you the confidence to answer even the most sophisticated cases. The book includes over 40 strategy cases, ten case starts exercises and 21 ways to cut costs, plus much, much more!

Designing Data Visualizations

Import, Tidy, Transform, Visualize, and Model Data

Cardiology Explained

A Practical Introduction

Representing Informational Relationships

Case Competition: Creating Winning Strategy Presentations for Case Competitions and Job Offers
Case in PointGraph Analysis for Consulting and Case InterviewsCreatespace Independent Publishing Platform
Make workplace conflict resolution a game that EVERYBODY wins! Recent studies show that typical managers devote more than a quarter of their time to resolving coworker disputes. The Big Book of Conflict-Resolution Games offers a wealth of activities and exercises for groups of any size that let you manage your business (instead of managing personalities). Part of the acclaimed, bestselling Big Books series, this guide offers step-by-step directions and customizable tools that empower you to heal rifts arising from ineffective communication, cultural/personality clashes, and other specific problem areas—before they affect your organization's bottom line. Let The Big Book of Conflict-Resolution Games help you to: Build trust Foster morale Improve processes Overcome diversity issues And more Dozens of physical and verbal activities help create a safe environment for teams to explore several common forms of conflict—and their resolution. Inexpensive, easy-to-implement, and proved effective at Fortune 500 corporations and mom-and-pop businesses alike, the exercises in The Big Book of Conflict-Resolution Games delivers everything you need to make your workplace more efficient, effective, and engaged.
The outlook for women with breast cancer has improved in recent years. Due to the combination of improved treatments and the benefits of mammography screening, breast cancer mortality has decreased steadily since 1989. Yet breast cancer remains a major problem, second only to lung cancer as a leading cause of death from cancer for women. To date, no means to prevent breast cancer has been discovered and experience has shown that treatments are most effective when a cancer is detected early, before it has spread to other tissues. These two facts suggest that the most effective way to continue reducing the death toll from breast cancer is improved early detection and diagnosis. Building on the 2001 report Mammography and Beyond, this new book not only examines ways to improve implementation and use of new and current breast cancer detection technologies but also evaluates the need to develop tools that identify women who would benefit most from early detection screening. Saving Women's Lives: Strategies for Improving Breast Cancer Detection and Diagnosis encourages more research that integrates the development, validation, and analysis of the types of technologies in clinical practice that promote improved risk identification techniques. In this way, methods and technologies that improve detection and diagnosis can be more effectively developed and implemented.
The updated guide to the newest graphing calculator from TexasInstruments The TI-Nspire graphing calculator is popular among high schooland college students as a valuable tool for calculus, AP calculus,and college-level algebra courses. Its use is allowed on the majorcollege entrance exams. This book is a nuts-and-bolts guide toworking with the TI-Nspire, providing everything you need to get upand running and helping you get the most out of this high-poweredmath tool. Texas Instruments' TI-Nspire graphing calculator isperfect for high school and college students in advanced algebraand calculus classes as well as students taking the SAT, PSAT, andACT exams This fully updated guide covers all enhancements to theTI-Nspire, including the touchpad and the updated software that canbe purchased along with the device Shows how to get maximum value from this versatile mathtool With updated screenshots and examples, TI-Nspire ForDummies provides practical, hands-on instruction to helpstudents make the most of this revolutionary graphingcalculator.
Lord of the Flies
Essential Tools for Working with Data
Case in Point
A Former McKinsey Interviewer Reveals how to Get Multiple Job Offers in Consulting
Foundations and Integrative Approaches
Unsettled

He fell from Grace. He was cast out from heaven. He was God's Angel. Now he tells all. For the first time in the history of the world, Lucifer, aka Satan, will be interviewed at Madison Square... More > Garden. He will reveal truths that no one has heard before. The question is: Will the people believe that this is really Satan, or an actor playing the role? A book that glorifies Jesus Christ as Lord and Savior.
To land a management consulting job at any of the top firms, including McKinsey, Bain, BCG, Deloitte, Oliver Wyman, and Accenture, you must get through several rounds of case interviews. Whether your interview is in a few weeks or even tomorrow, this book is written to get you the maximum amount of knowledge in the least amount of time. Think of this book as taking the express lane towards beginning to master consulting case interviews. I cut out all of the filler material that some other consulting books have, and tell you everything that you need to know in a clear and direct way. With this shortcut guide, you will: Understand and become proficient at the nine different parts of a case interview, and know exactly what to say and do in each step Learn the only framework strategy that you need to memorize to craft unique and tailored frameworks for every possible case scenario Gain knowledge of basic business terms and principles so that you can develop an astute business intuition Acquire the skills to solve any market sizing or other quantitative problem Uncover how to differentiate yourself from the thousands of other candidates who are fighting to get the same job you are Practice your case interview skills with included practice cases and sample answers
Golding's iconic 1954 novel, now with a new foreword by Lois Lowry, remains one of the greatest books ever written for young adults and an unforgettable classic for readers of any age. This edition includes a new Suggestions for Further Reading by Jennifer Buehler. At the dawn of the next world war, a plane crashes on an uncharted island, stranding a group of schoolboys. At

first, with no adult supervision, their freedom is something to celebrate. This far from civilization they can do anything they want. Anything. But as order collapses, as strange howls echo in the night, as terror begins its reign, the hope of adventure seems as far removed from reality as the hope of being rescued.

A fresh look at visualization from the author of Visualize This Whether it's statistical charts, geographic maps, or the snappy graphical statistics you see on your favorite news sites, the art of data graphics or visualization is fast becoming a movement of its own. In Data Points: Visualization That Means Something, author Nathan Yau presents an intriguing complement to his bestseller Visualize This, this time focusing on the graphics side of data analysis. Using examples from art, design, business, statistics, cartography, and online media, he explores both standard-and not so standard-concepts and ideas about illustrating data. Shares intriguing ideas from Nathan Yau, author of Visualize This and creator of flowingdata.com, with over 66,000 subscribers Focuses on visualization, data graphics that help viewers see trends and patterns they might not otherwise see in a table Includes examples from the author's own illustrations, as well as from professionals in statistics, art, design, business, computer science, cartography, and more Examines standard rules across all visualization applications, then explores when and where you can break those rules Create visualizations that register at all levels, with Data Points: Visualization That Means Something.

Python Data Science Handbook

Drawdown

An Interview With Lucifer

Estimation of the Time Since Death

Why Generalists Triumph in a Specialized World

A Collection of Short Articles, Humorous Stories, and Quick Reference Cards for the Busy Analyst

Discover how graph algorithms can help you leverage the relationships within your data to develop more intelligent solutions and enhance your machine learning models. You'll learn how graph analytics are uniquely suited to unfold complex structures and reveal difficult-to-find patterns lurking in your data. Whether you are trying to build dynamic network models or forecast real-world behavior, this book illustrates how graph algorithms deliver value—from finding vulnerabilities and bottlenecks to detecting communities and improving machine learning predictions. This practical book walks you through hands-on examples of how to use graph algorithms in Apache Spark and Neo4j—two of the most common choices for graph analytics. Also included: sample code and tips for over 20 practical graph algorithms that cover optimal pathfinding, importance through centrality, and community detection. Learn how graph analytics vary from conventional statistical analysis Understand how classic graph algorithms work, and how they are applied Get guidance on which algorithms to use for different types of questions Explore algorithm examples with working code and sample datasets from Spark and Neo4j See how connected feature extraction can increase machine learning accuracy and precision Walk through creating an ML workflow for link prediction combining Neo4j and Spark

The use of complex graphs in case interviews has exploded. You have a very short time to look at the graph, analyze it, extract what s important and apply it to your answer. This book was designed to help you understand the role of graphs in consulting (both during an interview and on the job). The authors introduce the Ivy Graph Framework, which will allow you to analyze 11 of the most popular graphs quickly, completely, and with great confidence. In addition the book provides ten sophisticated cases with numerous graphs per case and allows you to see how these cases unfold. There is nothing else out there like it!

Don't simply show your data—tell a story with it! Storytelling with Data teaches you the fundamentals of data visualization and how to communicate effectively with data. You'll discover the power of storytelling and the way to make data a pivotal point in your story. The lessons in this illuminative text are grounded in theory, but made accessible through numerous real-world examples—ready for immediate application to your next graph or presentation. Storytelling is not an inherent skill, especially when it comes to data visualization, and the tools at our disposal don't make it any easier. This book demonstrates how to go beyond conventional tools to reach the root of your data, and how to use your data to create an engaging, informative, compelling story. Specifically, you'll learn how to: Understand the importance of context and audience Determine the appropriate type of graph for your situation Recognize and eliminate the clutter clouding your information Direct your audience's attention to the most important parts of your data Think like a designer and utilize concepts of design in data visualization Leverage the power of storytelling to help your message resonate with your audience Together, the lessons in this book will help you turn your data into high impact visual stories that stick with your audience. Rid your world of ineffective graphs, one exploding 3D pie chart at a time. There is a story in your data—Storytelling with Data will give you the skills and power to tell it!

Crack the Case System is a complete training program, covering every aspect of the infamous "case interview" favored by top management consulting firms and a growing number of Fortune 500 companies. David Ohrvall's step-by-step approach combines practical instruction on structuring, analytics and communication, as well as insider tips and insights gained from training thousands of candidates. CTCS includes over 150 bonus videos on mbacase.com, 42 practice cases, homework and drills. About the author: David Ohrvall is the global expert on the topic of case interviews. A dynamic and sought-after speaker, he trains several thousand MBAs and undergraduates each year at premiere business schools around the world, including Wharton, Stanford, Harvard Business School, Chicago Booth, Duke's Fuqua School of Business,

INSEAD, Oxford and Cambridge. David also has an extensive private coaching practice that has helped launch hundreds of candidates into consulting, venture capital, and a variety of industries. David is a former management consultant (Bain & Company), and a graduate of the Wharton School (MBA & undergrad). Learn more about David at www.mbacase.com.

Case in Point: Government and Nonprofit: Case Interview and Strategic Preparation for Consulting Interviews in the Public Sector

Case Interview Secrets

An Introduction to Applied Multivariate Analysis with R

A Data Visualization Guide for Business Professionals

Text Mining with R

The Practitioner's Guide to Graph Data

Summary Visualizing Graph Data teaches you not only how to build graph data structures, but also how to create your own dynamic and interactive visualizations using a variety of tools. This book is loaded with fascinating examples and case studies to show you the real-world value of graph visualizations. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Assume you are doing a great job collecting data about your customers and products. Are you able to turn your rich data into important insight? Complex relationships in large data sets can be difficult to recognize. Visualizing these connections as graphs makes it possible to see the patterns, so you can find meaning in an otherwise over-whelming sea of facts. About the Book Visualizing Graph Data teaches you how to understand graph data, build graph data structures, and create meaningful visualizations. This engaging book gently introduces graph data visualization through fascinating examples and compelling case studies. You'll discover simple, but effective, techniques to model your data, handle big data, and depict temporal and spatial data. By the end, you'll have a conceptual foundation as well as the practical skills to explore your own data with confidence. What's Inside Techniques for creating effective visualizations Examples using the Gephi and KeyLines visualization packages Real-world case studies About the Reader No prior experience with graph data is required. About the Author Corey Lanum has decades of experience building visualization and analysis applications for companies and government agencies around the globe. Table of Contents PART 1 - GRAPH VISUALIZATION BASICS Getting to know graph visualization Case studies An introduction to Gephi and KeyLines PART 2 VISUALIZE YOUR OWN DATA Data modeling How to build graph visualizations Creating interactive visualizations How to organize a chart Big data: using graphs when there's too much data Dynamic graphs: how to show data over time Graphs on maps: the where of graph visualization

The text covers random graphs from the basic to the advanced, including numerous exercises and recommendations for further reading.

Data visualization is an efficient and effective medium for communicating large amounts of information, but the design process can often seem like an unexplainable creative endeavor. This concise book aims to demystify the design process by showing you how to use a linear decision-making process to encode your information visually. Delve into different kinds of visualization, including infographics and visual art, and explore the influences at work in each one. Then learn how to apply these concepts to your design process. Learn data visualization classifications, including explanatory, exploratory, and hybrid Discover how three fundamental influences—the designer, the reader, and the data—shape what you create Learn how to describe the specific goal of your visualization and identify the supporting data Decide the spatial position of your visual entities with axes Encode the various dimensions of your data with appropriate visual properties, such as shape and color See visualization best practices and suggestions for encoding various specific data types

The Curious Incident of the Dog in the Night-Time

Introduction to Random Graphs

The 20 Minute Business Analyst

TI-Nspire For Dummies

A Visual Guide to Stata Graphics, Second Edition

25 Need-to-Know MBA Models