Tap Root Investigation Training Manual

"USA Today bestselling author Sherry Thomas turns the story of the renowned Sherlock Holmes upside down... With her inquisitive mind, Charlotte Holmes has never felt comfortable with the demureness expected of the fairer sex in upper class society. But she never thought that she would become a social pariah, an outcast fending for herself on the mean streets of London. When the city is struck by a trio of unexpected deaths and suspicion falls on her sister and her father, Charlotte is desperate to find the true culprits and clear the family name. She'll have help from friends new and old--a kind-hearted widow, a police inspector, and a man who has long loved her. But in the end, it will be up to Charlotte, under the assumed name Sherlock Holmes, to challenge society's expectations and match wits against an unseen mastermind"--

This manual describes the Department of Defense (DoD) Cyber Incident Handling Program and specifies its major processes, implementation requirements, and related U.S. government interactions. This program ensures an integrated capability to continually improve the Department of Defense's ability to rapidly identify and respond to cyber incidents that adversely affect DoD information networks and information systems (ISs). It does so in a way that is consistent, repeatable, quality driven, measurable, and understood across DoD organizations.

This PRINT REPLICA contains the 6th edition of the Test & Evaluation Management Guide (TEMG). The Test & Evaluation Management Guide is intended primarily for use in courses at DAU and secondarily as a generic desk reference for program and project management, and Test & Evaluation

(T&E) personnel. It is written for current and potential acquisition management personnel and assumes some familiarity with basic terms, definitions, and processes as employed by the DoD acquisition process. The Test & Evaluation Management Guide is designed to assist Government and industry personnel in executing their management responsibilities relative to the T&E support of defense systems and facilitate learning during Defense Acquisition University coursework. The objective of a well-managed T&E program is to provide timely and accurate information to decision makers and program managers (PMs). The Test & Evaluation Management Guide was developed to assist the acquisition community in obtaining a better understanding of who the decision makers are and determining how and when to plan T&E events so that they are efficient and effective. Why buy a book you can download for free? We print this book so you don't have to. First you gotta find a good clean (legible) copy and make sure it's the latest version (not always easy). Some documents found on the web are missing some pages or the image quality is so poor, they are difficult to read. We look over each document carefully and replace poor quality images by going back to the original source document. We proof each document to make sure it's all there - including all changes. If you find a good copy, you could print it using a network printer you share with 100 other people (typically its either out of paper or toner). If it's just a 10-page document, no problem, but if it's 250-pages, you will need to punch 3 holes in all those pages and put it in a 3-ring binder. Takes at least an hour. It's much more cost-effective to just order the latest version from Amazon.com This book includes original commentary which is copyright material. Note that government documents are in the public domain. We print these large documents as a service so you don't have to. The books are compact, tightly-

bound, full-size (8 1/2 by 11 inches), with large text and glossy covers. 4th Watch Publishing Co. is a HUBZONE SDVOSB. https: //usgovpub.com

Unlike the wars in Vietnam and Iraq, the US invasion of Afghanistan in 2001 had near-unanimous public support. At first, the goals were straightforward and clear: to defeat al-Qaeda and prevent a repeat of 9/11. Yet soon after the United States and its allies removed the Taliban from power, the mission veered off course and US officials lost sight of their original objectives

Ten Strategies of a World-Class Cyber Security Operations Center conveys MITRE's accumulated expertise on enterprise-grade computer network defense. It covers ten key qualities of leading Cyber Security Operations Centers (CSOCs), ranging from their structure and organization, to processes that best enable smooth operations, to approaches that extract maximum value from key CSOC technology investments. This book offers perspective and context for key decision points in structuring a CSOC, such as what capabilities to offer, how to architect large-scale data collection and analysis, and how to prepare the CSOC team for agile, threat-based response. If you manage, work in, or are standing up a CSOC, this book is for you. It is also available on MITRE's website, www.mitre.org.

The production of this manual is a joint activity between the Climate, Energy and Tenure Division (NRC) and the Technologies and practices for smallholder farmers (TECA) Team from the Research and Extension Division (DDNR) of FAO Headquarters in Rome, Italy. The realization of this manual has been possible thanks to the hard review, compilation and edition work of Nadia Scialabba, Natural Resources officer (NRC) and Ilka Gomez and Lisa Thivant, members of the TECA Team. Special thanks are due to the International Federation of Organic Agriculture Movements

(IFOAM), the Research Institute of Organic Agriculture (FiBL) and the International Institute for Rural Reconstruction (IIRR) for their valuable documents and publications on organic farming for smallholder farmers.

A developmental psychologist argues that children who are freed to follow their own interests through self-directed play will become better learners and achievers than the way they learn in modern school, which he says shows them that learning is work and not fun. 15,000 first printing.

Beatrice Alexander is no ordinary schoolteacher—she can move objects with her mind, an embarrassing skill she hasn't yet mastered or embraced. After nearly killing her brother by accident, she joins the F.R.E.A.K.S. Squad, the Federal Response to Extra-Sensory and Kindred Supernaturals. This top-secret branch of the FBI combats ghosts, ghouls, and other monsters threatening humanity. With her teammates—among them a handsome former-detective werewolf and an annoying Don Juan vampire who's dead-set on seducing her—Beatrice investigates her first case. Disgustingly dismembered bodies have turned up, bearing bite marks of the undead. Someone—or something—is raising a horde of hideous, bloodthirsty zombies. Armed with Bette, her trusty machete, Beatrice takes on the master of the flesh-devouring corpses, who's guarding a horrifying secret... Featuring a team of monster hunters with unique paranormal abilities, the F.R.E.A.K.S. Squad Investigation series combines humor, suspense, and supernatural crime-fighting. Praise: "The most engaging detectives to face the walking dead since Scully and

Mulder. Part urban fantasy, part police procedural, and entirely marvelous, monstrous fun."—Library Journal "If Donald Westlake had ever gotten around to writing a paranormal mystery, it would have sounded like this. Harlow's genre debut is funny, creepy and refreshingly brash."—Kirkus Reviews "Jennifer Harlow's debut novel had me laughing and gasping from start to finish!"—Victoria Laurie, New York Times bestselling author of the Ghost Hunter Mystery series and the Psychic Eye Mystery series "Wonderful! A gritty, dramatic police-procedural with a compelling heroine and a fascinating group of sidekicks. Looking forward to the sequel!"—Karen Chance, New York Times and USA Today bestselling author of the Cassandra Palmer series "Mind Over Monsters is funny, scary, and creepy—and ridiculous amounts of fun!"—Kat Richardson, author of The Greywalker Novels "Mind Over Monsters is a non-stop rollercoaster ride that fans of urban fantasy will love! Fast-paced, fun, and wildly entertaining, Jennifer Harlow has given the paranormal police procedural a fresh spin with her loveable machete-wielding heroine. A quirky cast of characters and sharp writing make Mind Over Monsters a wholly wonderful debut. I can't wait to read more!"—Jeannie Holmes, author of Blood Law and Blood Secrets "With its breezy style and exuberant sense of fun, this monstery mystery is a total delight!"—Carolyn Crane, author of Mind Games and Double Cross "Wildly fun and funny, Harlow offers treats for every paranormal lover to relish, with plenty of action, thrills and laughter."—Leanna Renee Hieber, award-winning, bestselling author of The Strangely Beautiful series "In

her funny, fast-paced debut, Jennifer Harlow gives us an urban fantasy that sharply blends murder-mystery and horror, and introduces us to a world where the monster in your closet really does exist. Using both humor and logic to help solve a grisly double-murder, reluctant heroine Beatrice Alexander is a woman you can (and do) root for as she struggles to control her powerful telekinetic gift and to find her place in this brave (and sometimes scary) new world."—Kelly Meding, author of Three Days to Dead

This book provides a comprehensive treatment of investing chemical processing incidents. It presents on-the-job information, techniques, and examples that support successful investigations. Issues related to identification and classification of incidents (including near misses), notifications and initial response, assignment of an investigation team, preservation and control of an incident scene, collecting and documenting evidence, interviewing witnesses, determining what happened, identifying root causes, developing recommendations, effectively implementing recommendation, communicating investigation findings, and improving the investigation process are addressed in the third edition. While the focus of the book is investigating process safety incidents the methodologies, tools, and techniques described can also be applied when investigating other types of events such as reliability, quality, occupational health, and safety incidents.

Malcolm Gladwell, host of the podcast Revisionist History and author of the #1 New York Times bestseller

Outliers, offers a powerful examination of our interactions with strangers and why they often go wrong—now with a new afterword by the author. A Best Book of the Year: The Financial Times, Bloomberg, Chicago Tribune, and Detroit Free Press How did Fidel Castro fool the CIA for a generation? Why did Neville Chamberlain think he could trust Adolf Hitler? Why are campus sexual assaults on the rise? Do television sitcoms teach us something about the way we relate to one another that isn't true? Talking to Strangers is a classically Gladwellian intellectual adventure, a challenging and controversial excursion through history, psychology, and scandals taken straight from the news. He revisits the deceptions of Bernie Madoff, the trial of Amanda Knox, the suicide of Sylvia Plath, the Jerry Sandusky pedophilia scandal at Penn State University, and the death of Sandra Bland—throwing our understanding of these and other stories into doubt. Something is very wrong, Gladwell argues, with the tools and strategies we use to make sense of people we don't know. And because we don't know how to talk to strangers, we are inviting conflict and misunderstanding in ways that have a profound effect on our lives and our world. In his first book since his #1 bestseller David and Goliath, Malcolm Gladwell has written a gripping guidebook for troubled times. The Second Edition of Johnny Saldaña's international bestseller provides an in-depth guide to the multiple approaches available for coding qualitative data. Fully up to date, it includes new chapters, more coding techniques and an additional glossary. Clear, practical and authoritative, the book: -describes how coding

initiates qualitative data analysis -demonstrates the writing of analytic memos -discusses available analytic software -suggests how best to use The Coding Manual for Qualitative Researchers for particular studies. In total, 32 coding methods are profiled that can be applied to a range of research genres from grounded theory to phenomenology to narrative inquiry. For each approach, Saldaña discusses the method's origins, a description of the method, practical applications, and a clearly illustrated example with analytic follow-up. A unique and invaluable reference for students, teachers, and practitioners of qualitative inquiry, this book is essential reading across the social sciences.

The ultimate guide to owning your power--and mastering how to use it. How can so many women feel "good and mad" yet still reluctant to speak up in a meeting or difficult conversation? Why do women often feel like they're too much--and, at the same time, not enough? What causes us, at the most critical moments in our lives, to freeze? Kasia Urbaniak teaches power to women--and her answers to these questions may surprise you. Based on insights from her experiences as a dominatrix, her training to become a Taoist nun, and the countless women she has taught to expand their influence, this book offers precise, practical instruction in how to stand in your power, find your voice, and use it well. Learn how to: • Embrace your desires as the pathway to your destiny. • Ask for--and get--what you need in your life, work, and in the bedroom. • Skillfully navigate hearing "no" and any resistance, even your own. • Flip power dynamics when someone crosses

your boundaries and puts you on the spot. • Create new and expanded roles for the people in your life with precise, targeted asks. Whether you're getting crystal clear on exactly what you want, or turning the tables on a man who has shut you up and shut you down, Urbaniak's methods teach women to stand for themselves in every interaction. Part manual, part manifesto, part behind the scenes look, Unbound is a how-to guide to the impossible, the outrageous, the unimaginable--a field guide to living your wildest, best, and most satisfying life.

Strengthen family and community engagement to promote equity and increase student success! When schools, families, and communities collaborate and share responsibility for students' education, more students succeed in school. Based on 30 years of research and fieldwork, this fourth edition of a bestseller provides tools and guidelines to use to develop more effective and equitable programs of family and community engagement. Written by a team of well-known experts, this foundational text demonstrates a proven approach to implement and sustain inclusive, goal-oriented programs. Readers will find: Many examples and vignettes Rubrics and checklists for implementation of plans CD-ROM complete with slides and notes for workshop presentations

The book follows a proven training outline, including real-life examples and exercises, to teach healthcare professionals and students how to lead effective and successful Root Cause Analysis (RCA) to eliminate patient harm. This book discusses the need for RCA in

the healthcare sector, providing practical advice for its facilitation. It addresses when to use RCA, how to create effective RCA action plans, and how to prevent common RCA failures. An RCA training curriculum is also included. This book is intended for those leading RCAs of patient harm events, leaders, students, and patient safety advocates who are interested in gaining more knowledge about RCA in healthcare.

This best-seller can help anyone whose role is to try to find specific causes for failures. It provides detailed steps for solving problems, focusing more heavily on the analytical process involved in finding the actual causes of problems. It does this using figures, diagrams, and tools useful for helping to make our thinking visible. This increases our ability to see what is truly significant and to better identify errors in our thinking. In the sections on finding root causes, this second edition now includes: more examples on the use of multi-vari charts; how thought experiments can help guide data interpretation; how to enhance the value of the data collection process; cautions for analyzing data; and what to do if one can't find the causes. In its guidance on solution identification, biomimicry and TRIZ have been added as potential solution identification techniques. In addition, the appendices have been revised to include: an expanded breakdown of the 7 M's, which includes more than 50 specific possible causes; forms for tracking causes and solutions, which can help maintain alignment of actions; techniques for how to enhance the interview process; and example responses to problem situations that the reader can analyze for appropriateness.

Root Cause Analysis, or RCA, "What is it?" Everyone uses the term, but everyone does it differently. How can we have any uniformity in our approach, much less accurately compare our results, if we're applying different definitions? At a high level, we will explain the difference between RCA and Shallow Cause Analysis, because that is the difference between allowing a failure to recur or dramatically reducing the risk of recurrence. In this book, we will get down to basics about RCA, the fundamentals of blocking and tackling, and explain the common steps of any investigative occupation. Common investigation steps include: Preserving evidence (data)/not allowing hearsay to fly as fact Organizing an appropriate team/minimizing potential bias Analyzing the events/reconstructing the incident based on actual evidence Communicating findings and recommendations/ensuring effective recommendations are actually developed and implemented Tracking bottom-line results/ensuring that identified, meaningful metrics were attained We explore, "Why don't things always go as planned?" When our actual plans deviate from our intended plans, we usually experience some type of undesirable or unintended outcome. We analyze the anatomy of a failure (undesirable outcome) and provide a step-by-step guide to conducting a comprehensive RCA based on our 3+ decades of applying RCA as we have successfully practiced it in the field. This book is written as a how-to guide to effectively apply the PROACT® RCA methodology to any undesirable outcome, is directed at practitioners who have to do the real work, focuses on the core elements

of any investigation, and provides a field-proven case as a model for effective application. This book is for anyone charged with having a thorough understanding of why something went wrong, such as those in EH&S, maintenance, reliability, quality, engineering, and operations to name just a few.

TapRooTThe System for Root Cause Analysis, Problem Investigation, and Proactive ImprovementTapRooTChanging the Way the World Solves ProblemsTapRoot Root Cause Tree DictionaryRoot Cause Analysis HandbookA Guide to Efficient and Effective Incident InvestigationRothstein Publishing

Among evidence-based therapies for children and adolescents with oppositional, aggressive, and antisocial behavior, parent management training (PMT) is without peer; no other treatment for children has been as thoroughly investigated and as widely applied. Here, Alan E. Kazdin brings together the conceptual and empirical bases underlying PMT with discussions of background, principles, and concepts, supplemented with concrete examples of the ways therapists should interact with parents and children. The second half of the book is a PMT treatment manual. The manual details the particulars of the therapy: what is done to and by whom, what the therapist should say, and what to expect at each stage of treatment. It also contains handouts, charts, and aides for parents. A companion website (www.oup.com/us/pmt) provides additional resources for clinicians.

This book is a set of new skills written for the managers

that drive safety in their workplace. This is Human Performance theory made simple. If you are starting a new program, revamping an old program, or simply interested in understanding more about safety performance, this guide will be extremely helpful. This is the eBook version of the print title. Note that only the Amazon Kindle version or the Premium Edition eBook and Practice Test available on the Pearson IT Certification web site come with the unique access code that allows you to use the practice test software that accompanies this book. All other eBook versions do not provide access to the practice test software that accompanies the print book. Access to the companion web site is available through product registration at Pearson IT Certification; or see instructions in back pages of your eBook. Learn, prepare, and practice for CompTIA Network+ N10-007 exam success with this CompTIA approved Cert Guide from Pearson IT Certification, a leader in IT Certification learning and a CompTIA Authorized Platinum Partner. Master CompTIA Network+ N10-007 exam topics Assess your knowledge with chapter-ending quizzes Review key concepts with exam preparation tasks Practice with realistic exam questions Learn from more than 60 minutes of video mentoring CompTIA Network+ N10-007 Cert Guide is a best-of-breed exam study guide. Best-selling author and expert instructor Anthony Sequeira shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and

retention of exam topics. The book presents you with an organized test preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. The companion website contains a host of tools to help you prepare for the exam, including: The powerful Pearson Test Prep practice test software, complete with hundreds of exam-realistic questions. The assessment engine offers you a wealth of customization options and reporting features, laying out a complete assessment of your knowledge to help you focus your study where it is needed most. More than 60 minutes of personal video mentoring 40 performance-based exercises to help you prepare for the performance-based questions on the exam The CompTIA Network+ N10-007 Hands-on Lab Simulator Lite software, complete with meaningful exercises that help you hone your hands-on skills An interactive Exam Essentials appendix that quickly recaps all major chapter topics for easy reference A key terms glossary flash card application Memory table review exercises and answers A study planner to help you organize and optimize your study time A 10% exam discount voucher (a $27 value!) Well-regarded for its level of detail, assessment features, and challenging review questions and exercises, this CompTIA approved study guide helps you master the concepts and techniques that will enable you to succeed on the exam

the first time. The CompTIA approved study guide helps
you master all the topics on the Network+ exam,
including: Computer networks and the OSI model
Network components Ethernet IP addressing Routing
traffic Wide Area Networks (WANs) Wireless
Technologies Network performance Command-line
utilities Network management Network policies and best
practices Network security Troubleshooting Pearson
Test Prep system requirements: Online: Browsers:
Chrome version 40 and above; Firefox version 35 and
above; Safari version 7; Internet Explorer 10, 11;
Microsoft Edge; Opera. Devices: Desktop and laptop
computers, tablets running on Android and iOS,
smartphones with a minimum screen size of 4.7".
Internet access required. Offline: Windows 10, Windows
8.1, Windows 7; Microsoft .NET Framework 4.5 Client;
Pentium-class 1 GHz processor (or equivalent); 512 MB
RAM; 650 MB disk space plus 50 MB for each
downloaded practice exam; access to the Internet to
register and download exam databases Lab Simulator
Minimum System Requirements: Windows: Microsoft
Windows 10, Windows 8.1, Windows 7 with SP1; Intel
Pentium III or faster; 512 MB RAM (1GB recommended);
1.5 GB hard disk space; 32-bit color depth at 1024x768
resolution Mac: Apple macOS 10.13, 10.12, 10.11,
10.10; Intel Core Duo 1.83 Ghz or faster; 512 MB RAM
(1 GB recommended); 1.5 GB hard disk space; 32-bit
color depth at 1024x768 resolution Other applications
installed during installation: Adobe AIR 3.8; Captive JRE
6
This book comprehensively outlines what a holistic and

effective Root Cause Analysis (RCA) system looks like. From the designing of the support infrastructure to the measuring of effectiveness on the bottom-line, this book provides the blueprint for making it happen. While traditionally RCA is viewed as a reactive tool, the authors will show how it can be applied proactively to prevent failures from occurring in the first place. RCA is a key element of any successful Reliability Engineering initiative. Such initiatives are comprised of equipment, process and human reliability foundations. Human reliability is critical to the success of a true RCA approach. This book explores the anatomy of a failure (undesirable outcome) as well as a potential failure (high risks). Virtually all failures are triggered by errors of omission or commission by human beings. The methodologies described in this book are applicable to any industry because the focus is on the human being's ability to think through why things go wrong, not on the industry or the nature of the failure. This book correlates reliability to safety as well as human performance improvement efforts. The author has provided a healthy balance between theory and practical application, wrapping up with case studies demonstrating bottom-line results. Features Outlines in detail every aspect of an effective RCA 'system' Displays appreciation for the role of understanding the physics of a failure as well as the human and system's contribution Demonstrates the role of RCA in a comprehensive Asset Performance Management (APM) system Explores the correlation between Reliability Engineering and Safety Integrates the concepts of Human Performance Improvement,

Learning Teams, and Human Error Reduction
approaches into RCA
Are you trying to improve performance, but find that the
same problems keep getting in the way? Safety, health,
environmental quality, reliability, production, and security
are at stake. You need the long-term planning that will
keep the same issues from recurring. Root Cause
Analysis Handbook: A Guide to Effective Incident
Investigation is a powerful tool that gives you a detailed
step-by-step process for learning from experience.
Reach for this handbook any time you need field-tested
advice for investigating, categorizing, reporting and
trending, and ultimately eliminating the root causes of
incidents. It includes step-by-step instructions, checklists,
and forms for performing an analysis and enables users
to effectively incorporate the methodology and apply it to
a variety of situations. Using the structured techniques in
the Root Cause Analysis Handbook, you will:
Understand why root causes are important. Identify and
define inherent problems. Collect data for problem-
solving. Analyze data for root causes. Generate practical
recommendations. The third edition of this global classic
is the most comprehensive, all-in-one package of book,
downloadable resources, color-coded RCA map, and
licensed access to online resources currently available
for Root Cause Analysis (RCA). Called by users "the
best resource on the subject" and "in a league of its
own." Based on globally successful, proprietary
methodology developed by ABS Consulting, an
international firm with 50 years' experience in 35
countries. Root Cause Analysis Handbook is widely used

in corporate training programs and college courses all over the world. If you are responsible for quality, reliability, safety, and/or risk management, you'll want this comprehensive and practical resource at your fingertips. The book has also been selected by the American Society for Quality (ASQ) and the Risk and Insurance Society (RIMS) as a "must have" for their members.

THE INSTANT NEW YORK TIMES BESTSELLER SHORTLISTED FOR THE FT & McKINSEY BUSINESS BOOK OF THE YEAR AWARD 2021 'An intricately detailed, deeply sourced and reported history of the origins and growth of the cyberweapons market . . . Hot, propulsive . . . Sets out from the start to scare us out of our complacency' New York Times 'A terrifying exposé' The Times 'Part John le Carré and more parts Michael Crichton . . . Spellbinding' New Yorker Zero day: a software bug that allows a hacker to break in and scamper through the world's computer networks invisibly until discovered. One of the most coveted tools in a spy's arsenal, a zero day has the power to tap into any iPhone, dismantle safety controls at a chemical plant and shut down the power in an entire nation – just ask the Ukraine. Zero days are the blood diamonds of the security trade, pursued by nation states, defense contractors, cybercriminals, and security defenders alike. In this market, governments aren't regulators; they are clients – paying huge sums to hackers willing to turn over gaps in the Internet, and stay silent about them. This Is How They Tell Me the World Ends is cybersecurity reporter Nicole Perlroth's discovery, unpacked. A intrepid

journalist unravels an opaque, code-driven market from the outside in – encountering spies, hackers, arms dealers, mercenaries and a few unsung heroes along the way. As the stakes get higher and higher in the rush to push the world's critical infrastructure online, This Is How They Tell Me the World Ends is the urgent and alarming discovery of one of the world's most extreme threats. #1 NEW YORK TIMES BESTSELLER • OPRAH'S BOOK CLUB PICK • NATIONAL BOOK AWARD LONGLIST • "An instant American classic and almost certainly the keynote nonfiction book of the American century thus far."—Dwight Garner, The New York Times The Pulitzer Prize–winning, bestselling author of The Warmth of Other Suns examines the unspoken caste system that has shaped America and shows how our lives today are still defined by a hierarchy of human divisions. NAMED THE #1 NONFICTION BOOK OF THE YEAR BY TIME, ONE OF THE TEN BEST BOOKS OF THE YEAR BY People • The Washington Post • Publishers Weekly AND ONE OF THE BEST BOOKS OF THE YEAR BY The New York Times Book Review • O: The Oprah Magazine • NPR • Bloomberg • Christian Science Monitor • New York Post • The New York Public Library • Fortune • Smithsonian Magazine • Marie Claire • Town & Country • Slate • Library Journal • Kirkus Reviews • LibraryReads • PopMatters Winner of the Los Angeles Times Book Prize • National Book Critics Circle Award Finalist • Dayton Literary Peace Prize Finalist • PEN/John Kenneth Galbraith Award for Nonfiction Finalist • PEN/Jean Stein Book Award Longlist "As we go about our daily lives, caste is the wordless usher in a

darkened theater, flashlight cast down in the aisles, guiding us to our assigned seats for a performance. The hierarchy of caste is not about feelings or morality. It is about power—which groups have it and which do not." In this brilliant book, Isabel Wilkerson gives us a masterful portrait of an unseen phenomenon in America as she explores, through an immersive, deeply researched narrative and stories about real people, how America today and throughout its history has been shaped by a hidden caste system, a rigid hierarchy of human rankings. Beyond race, class, or other factors, there is a powerful caste system that influences people's lives and behavior and the nation's fate. Linking the caste systems of America, India, and Nazi Germany, Wilkerson explores eight pillars that underlie caste systems across civilizations, including divine will, bloodlines, stigma, and more. Using riveting stories about people—including Martin Luther King, Jr., baseball's Satchel Paige, a single father and his toddler son, Wilkerson herself, and many others—she shows the ways that the insidious undertow of caste is experienced every day. She documents how the Nazis studied the racial systems in America to plan their out-cast of the Jews; she discusses why the cruel logic of caste requires that there be a bottom rung for those in the middle to measure themselves against; she writes about the surprising health costs of caste, in depression and life expectancy, and the effects of this hierarchy on our culture and politics. Finally, she points forward to ways America can move beyond the artificial and destructive separations of human divisions, toward hope in our common humanity.

Beautifully written, original, and revealing, Caste: The Origins of Our Discontents is an eye-opening story of people and history, and a reexamination of what lies under the surface of ordinary lives and of American life today.

The book consists primarily of interviews between Strobel (a former legal editor at the Chicago Tribune) and biblical scholars such as Bruce Metzger. Each interview is based on a simple question, concerning historical evidence (for example, "Can the Biographies of Jesus Be Trusted?"), scientific evidence, ("Does Archaeology Confirm or Contradict Jesus' Biographies?"), and "psychiatric evidence" ("Was Jesus Crazy When He Claimed to Be the Son of God?"). Together, these interviews compose a case brief defending Jesus' divinity, and urging readers to reach a verdict of their own.

"We finally have the definitive treatise on PyTorch! It covers the basics and abstractions in great detail. I hope this book becomes your extended reference document." —Soumith Chintala, co-creator of PyTorch Key Features Written by PyTorch's creator and key contributors Develop deep learning models in a familiar Pythonic way Use PyTorch to build an image classifier for cancer detection Diagnose problems with your neural network and improve training with data augmentation Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About The Book Every other day we hear about new ways to put deep learning to good use: improved medical imaging, accurate credit card fraud detection, long range weather forecasting, and more. PyTorch puts these superpowers in your hands. Instantly familiar to anyone who knows Python data tools like NumPy and Scikit-learn, PyTorch simplifies deep learning without sacrificing advanced

features. It's great for building quick models, and it scales smoothly from laptop to enterprise. Deep Learning with PyTorch teaches you to create deep learning and neural network systems with PyTorch. This practical book gets you to work right away building a tumor image classifier from scratch. After covering the basics, you'll learn best practices for the entire deep learning pipeline, tackling advanced projects as your PyTorch skills become more sophisticated. All code samples are easy to explore in downloadable Jupyter notebooks. What You Will Learn Understanding deep learning data structures such as tensors and neural networks Best practices for the PyTorch Tensor API, loading data in Python, and visualizing results Implementing modules and loss functions Utilizing pretrained models from PyTorch Hub Methods for training networks with limited inputs Sifting through unreliable results to diagnose and fix problems in your neural network Improve your results with augmented data, better model architecture, and fine tuning This Book Is Written For For Python programmers with an interest in machine learning. No experience with PyTorch or other deep learning frameworks is required. About The Authors Eli Stevens has worked in Silicon Valley for the past 15 years as a software engineer, and the past 7 years as Chief Technical Officer of a startup making medical device software. Luca Antiga is co-founder and CEO of an AI engineering company located in Bergamo, Italy, and a regular contributor to PyTorch. Thomas Viehmann is a Machine Learning and PyTorch speciality trainer and consultant based in Munich, Germany and a PyTorch core developer. Table of Contents PART 1 - CORE PYTORCH 1 Introducing deep learning and the PyTorch Library 2 Pretrained networks 3 It starts with a tensor 4 Real-world data representation using tensors 5 The mechanics of learning 6 Using a neural network to fit the data 7 Telling birds from airplanes: Learning from images 8 Using

convolutions to generalize PART 2 - LEARNING FROM IMAGES IN THE REAL WORLD: EARLY DETECTION OF LUNG CANCER 9 Using PyTorch to fight cancer 10 Combining data sources into a unified dataset 11 Training a classification model to detect suspected tumors 12 Improving training with metrics and augmentation 13 Using segmentation to find suspected nodules 14 End-to-end nodule analysis, and where to go next PART 3 - DEPLOYMENT 15 Deploying to production Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. Strengthening Forensic Science in the United States: A Path Forward provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement

agencies, criminal prosecutors and attorneys, and forensic science educators.

On bookshelves around the world, surrounded by ordinary books bound in paper and leather, rest other volumes of a distinctly strange and grisly sort: those bound in human skin. Would you know one if you held it in your hand? In Dark Archives, Megan Rosenbloom seeks out the historic and scientific truths behind anthropodermic bibliopegy—the practice of binding books in this most intimate covering. Dozens of such books live on in the world's most famous libraries and museums. Dark Archives exhumes their origins and brings to life the doctors, murderers, and indigents whose lives are sewn together in this disquieting collection. Along the way, Rosenbloom tells the story of how her team of scientists, curators, and librarians test rumored anthropodermic books, untangling the myths around their creation and reckoning with the ethics of their custodianship. A librarian and journalist, Rosenbloom is a member of The Order of the Good Death and a cofounder of their Death Salon, a community that encourages conversations, scholarship, and art about mortality and mourning. In Dark Archives—captivating and macabre in all the right ways—she has crafted a narrative that is equal parts detective work, academic intrigue, history, and medical curiosity: a book as rare and thrilling as its subject.

The purpose of this book is to share what the author has learned about effective problem solving by exposing the ineffectiveness of conventional wisdom and presenting a principle-based alternative called Apollo Root Cause Analysis that is robust, yet familiar and easy to understand. This book will change the way readers understand the world without changing their minds. One of the most common responses the author has received from his students of Apollo Root Cause Analysis is they have always thought this way, but did

not know how to express it. Other students have reported a phenomenon where this material fundamentally "re-wires" their thinking, leading to a deeply profound understanding of our world. At the heart of this book is a new way of communicating that is revolutionizing the way people all around the world think, communicate, and make decisions together. Imagine a next decision-making meeting where everyone is in agreement with the causes of the problem and the effectiveness of the proposed corrective actions with no conflicts, arguments, or power politics! This is the promise of Apollo Root Cause Analysis.

Although there are many books on root cause analysis (RCA), most concentrate on team actions such as brainstorming and using quality tools to discuss the failure under investigation. These may be necessary steps during RCA, but authors often fail to mention the most important member of an RCA team—the failed part. Root Cause Analysis: A Step-By-Step Guide to Using the Right Tool at the Right Time provides authoritative guidance on how to empirically investigate quality failures using scientific method in the form of cycles of plan-do-check-act (PDCA), supported by the use of quality tools. Focusing on the use of proven quality tools to empirically investigate issues, the book starts by describing the theoretical background behind using the scientific method and quality tools for RCA. Next, it supplies step-by-step instructions for performing RCA with the tools discussed in the first section. The book's clear examples illustrate how to integrate PDCA with the scientific method and quality tools when investigating real-world quality failures. This RCA guide provides root cause investigators with a tool kit for the quick and accurate selection of the appropriate tool during a root cause investigation. It includes an appendix with a guide to tool selection based on the intended use of the tool. There is also an appendix that defines the terminology

used in the book. After reading this book, you will understanding how to integrate the scientific method, quality tools, and statistics, in the form of exploratory data analysis, to build a picture of the actual situation under investigation that will lead you to the true root cause of an event. The tools and concepts presented in the text are appropriate for professionals in both the manufacturing and service industries.

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