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Master writing paragraphs and short essays with WRITING PARAGRAPHS AND ESSAYS, 6e. Successfully class-tested by thousands of students, this new edition shows you how to create effective introductions, support paragraphs, and strong conclusions. Learn smart strategies for organizing and presenting your ideas and use real examples from students and professional writers to help guide your work. Take your skills to the next level with exercises designed to reinforce key concepts and boost your confidence as you apply them to your writing. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

In the 1920's, Walter Shewhart visualized that the marriage of statistical methods and manufacturing processes would produce reliable and consistent quality products. Shewhart (1931) conceived the idea of statistical process control (SPC) and developed the well-known and appropriately named Shewhart control chart. However, from the 1930s to the 1990s, literature on SPC schemes have been "captured" by the Shewhart paradigm of normality, independence and homogeneous variance. When in fact, the problems facing today's industries are more inconsistent than those faced by Shewhart in the 1930s. As a result of the advances in machine and sensor technology, process data can often be collected on-line. In this situation, the process observations that result from data collection activities will frequently not be serially independent, but autocorrelated. Autocorrelation has a significant impact on a control chart: the process may not exhibit a state of statistical control when in fact, it is in control. As the prevalence of this type of data is expected to increase in industry (Hahn 1989), so does the need to control and monitor it. Equivalently, literature has reflected this trend, and research in the area of SPC with autocorrelated data continues so that effective methods of handling correlated data are available. This type of data regularly occurs in the chemical and process industries, and is pervasive in computer-integrated manufacturing environments, clinical laboratory settings and in the majority of SPC applications across various manufacturing and service industries (Alwan 1991).

Combining detailed coverage of the writing process with a wealth of professional readings, Wyrick's STEPS TO WRITING WELL WITH ADDITIONAL READINGS has helped thousands of students learn to write effective academic essays. Extremely student-friendly, it presents rhetorical strategies for composing essays in an easy-to-follow progression of useful lessons and activities. With over 70 student and professional readings and a variety of hands-on activities, it gives you the models and practice you need to write well-constructed essays with confidence. The 11th edition features useful visual learning aids, new student writing samples on timely topics, essay assignments that promote using sources and multiple rhetorical strategies, and up-to-date discussions of drafting and reading multimodal texts and searching databases online. It also reflects guidelines from the APA's 2020 Publication Manual. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. An accessible, contemporary introduction to the methods for determining cause and effect in the social sciences "Causation versus correlation has been the basis of arguments--economic and otherwise--since the beginning of time. Causal Inference: The Mixtape uses legit real-world examples that I found genuinely thought-provoking. It's rare that a book prompts readers to expand their outlook; this one did for me."--Marvin Young (Young MC) Causal inference encompasses the tools that allow social scientists to determine what causes what. In a messy world, causal inference is what helps establish the causes and effects of the actions being studied--for example, the impact (or lack thereof) of increases in the minimum wage on employment, the effects of early childhood education on incarceration later in life, or the influence on economic growth of introducing malaria nets in developing regions. Scott Cunningham introduces students and practitioners to the methods necessary to arrive at meaningful answers to the questions of causation, using a range of modeling techniques and coding instructions for both the R and the Stata programming languages.

Professor Judea Pearl won the 2011 Turing Award "for fundamental contributions to artificial intelligence through the development of a calculus for probabilistic and causal reasoning." This book contains the original articles that led to the award, as well as other seminal works, divided into four parts: heuristic search, probabilistic reasoning, causality, first period (1988-2001), and causality, recent period (2002-2020). Each of these parts starts with an introduction written by Judea Pearl. The volume also contains original, contributed articles by leading researchers that analyze, extend, or assess the influence of Pearl's work in different fields: from AI, Machine Learning, and Statistics to Cognitive Science, Philosophy, and the Social Sciences. The first part of the volume includes a biography, a transcript of his Turing Award Lecture, two interviews, and a selected bibliography annotated by him.

Provides instructions on narrowing a topic, using the correct format, and writing the actual text for research papers, and offers information on using word processors and online databases.

This book constitutes the refereed proceedings of the First Conference on Creativity in Intelligent Technologies and Data Science, CIT&DS 2015, held in Volgograd, Russia, in September 2015. The 66 revised full papers and two short papers presented were carefully reviewed and selected from 208 submissions. The papers are organized in topical sections on computational creativity for science and design; knowledge discovery in patent and open sources for creative tasks; software computer-aided design and agent-based systems; conceptual, cognitive and qualitative modeling with application in intelligent decision making; design creativity in CAD/CAM/CAE/PDM; intelligent decision support for continual improvement process; data science in energy management, transportation and urban development; data science in social networks analysis; natural language and image processing and analysis; game-based learning technologies in engineering education and educational games design; personalized learning in Web-based intelligent educational systems; e-inclusion: development of smart mobile applications for people with disabilities.

With the most coverage of the writing process of any rhetorical writing guide, STEPS TO WRITING WELL has helped thousands of students learn to write effective academic essays. Jean Wyrick's text is known for its student-friendly, approachable tone and the way it presents rhetorical strategies for composing essays in an easy-to-follow progression of useful lessons and activities. With thoughtful instruction, almost 40 student and professional readings, and a wealth of short and long assignments, the text gives students the models and practice they need to write well-constructed essays with confidence. This 13th edition features useful new visual learning aids; many new student samples, professional readings, and advertisements; new essay assignments that promote using sources and multiple rhetorical strategies; a new organization for expository writing assignments and research; and updated discussions of drafting and reading multimodal texts. Each student text is packaged with a free Cengage Essential Reference Card to the MLA HANDBOOK, Eighth Edition. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Many of the concepts and terminology surrounding modern causal inference can be quite intimidating to the novice. Judea Pearl presents a book ideal for beginners in statistics, providing a comprehensive introduction to the field of causality. Examples from classical statistics are presented throughout to demonstrate the need for causality in resolving decision-making dilemmas posed by data. Causal methods are also compared to traditional statistical methods, whilst questions are provided at the end of each section to aid student learning.

""This is the single best book on software quality engineering and metrics that I've encountered."" --Capers Jones, from the Foreword"Metrics and Models in Software Quality Engineering, Second Edition," is the definitive book on this essential topic of software development. Comprehensive in scope with extensive industry examples, it shows how to measure software quality and use measurements to improve the software development process. Four major categories of quality metrics and models are addressed: quality management, software reliability and projection, complexity, and customer view. In addition, the book discusses the fundamentals of measurement theory, specific quality metrics and tools, and methods for applying metrics to the software development process. New chapters bring coverage of critical topics, including: In-process metrics for software testing Metrics for object-oriented software development Availability metrics Methods for conducting in-process quality assessments and software project assessments- Dos and Don'ts of Software Process Improvement, by Patrick O'Toole Using Function Point Metrics to Measure Software Process Improvement, by Capers Jones In addition to the excellent balance of theory, techniques, and examples, this book is highly instructive and practical, covering one of the most important topics in software development--quality engineering. 0201729156B08282002

in Danish higher education.

Robert P. Yagelski's THE ESSENTIALS OF WRITING: TEN CORE CONCEPTS is designed for instructors who want a short, flexible writing guide using the core concepts as a framework. These ten fundamental lessons that students need to learn to become sophisticated writers are covered thoroughly in Chapters 2 through 4. The essentials version also offers practical advice about features of analytical and argument writing, developing an academic writing style, synthesizing ideas, designing documents, conducting research, and evaluating and documenting sources. The second edition includes new chapters on analytical and argumentative writing, updated guidance on finding digital resources, thoroughly revised and updated coverage of MLA documentation, and more. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Monitoring and Evaluation Training fills a gap in the literature by providing readers with a systematic approach to monitoring and evaluation (M&E) training for programs and projects. Bridging theoretical concepts with practical, how-to knowledge, authors Scott Chaplowe and J. Bradley Cousins draw upon the scholarly literature, applied resources, and over 50 years of combined experience to provide expert guidance for M&E training that can be tailored to different training needs and contexts, from training for professionals or non-professionals, to organization staff, community members, and other groups with a desire to learn and sustain sound M&E practices.

The application of causal inference methods is growing exponentially in fields that deal with observational data. Written by pioneers in the field, this practical book presents an authoritative yet accessible overview of the methods and applications of causal inference. With a wide range of detailed, worked examples using real epidemiologic data as well as software for replicating the analyses, the text provides a thorough introduction to the basics of the theory for non-time-varying treatments and the generalization to complex longitudinal data.

Realism and Complexity in Social Science is an argument for a new approach to investigating the social world, that of complex realism. Complex realism brings together a number of strands of thought, in scientific realism, complexity science, probability theory and social research methodology. It proposes that the reality of the social world is that it is probabilistic, yet there exists enough invariance to make the discovery and explanation of social objects and causal mechanisms possible. This forms the basis for the development of a complex realist foundation for social research, that utilises a number of new and novel approaches to investigation, alongside the more traditional corpus of quantitative and qualitative methods. Research examples are drawn from research in sociology, epidemiology, criminology, social policy and human geography. The book assumes no prior knowledge of realism, probability or complexity and in the early chapters, the reader is introduced to these concepts and the arguments against them. Although the book is grounded in philosophical reasoning, this is in a direct and accessible style that will appeal both to social researchers with a methodological interest and philosophers with an interest in social investigation.

Because so many first-year writing students lack the basic skills the course demands, reading specialist McWhorter gives them steady guidance through the challenges they face in academic work. Successful College Writing offers extensive instruction in active and critical reading, practical advice on study and college survival skills, step-by-step strategies for writing and research, detailed coverage of the nine rhetorical patterns of development, and 61 readings that provide strong rhetorical models, as well as an easy-to-use handbook in the complete edition. McWhorter's unique visual approach to learning uses graphic organizers, revision flowcharts, and other visual tools to help students analyze texts and write their own essays. Her unique attention to varieties of learning styles also helps empower students, allowing them to identify their strengths and learning preferences. Read the preface.

Modern society depends critically on computers that control and manage the systems on which we depend in many aspects of our daily lives. While this provides conveniences of a level unimaginable just a few years ago, it also leaves us vulnerable to attacks on the computers managing these systems. In recent times the explosion in cyber attacks, including viruses, worms, and intrusions, has turned this vulnerability into a clear and visible threat. Due to the escalating number and increased sophistication of cyber attacks, it has become important to develop a broad range of techniques, which can ensure that the information infrastructure continues to operate smoothly, even in the presence of dire and continuous threats. This book brings together the latest techniques for managing cyber threats, developed by some of the world's leading experts in the area. The book includes broad surveys on a number of topics, as well as specific techniques. It provides an excellent reference point for researchers and practitioners in the government, academic, and industrial communities who want to understand the issues and challenges in this area of growing worldwide importance. Undesirable outcomes, chronic failure, incidents, and accidents The cost of such events to corporations is high, generally adding up to tens and hundreds of millions of dollars in "accepted" losses. Why accept these losses? What if you could understand why these errors occur and eliminate chronic events from occurring altogether? Root Cause

Based on the needs of the educational community, and the software professional, this book takes a unique approach to teaching software testing. It introduces testing concepts that are managerial, technical, and process oriented, using the Testing Maturity Model (TMM) as a guiding framework. The TMM levels and goals support a structured presentation of fundamental and advanced test-related concepts to the reader. In this context, the interrelationships between theoretical, technical, and managerial concepts become more apparent. In addition, relationships between the testing process, maturity goals, and such key players as managers, testers and client groups are introduced. Topics and features: - Process/engineering-oriented text - Promotes the growth and value of software testing as a profession - Introduces both technical and managerial aspects of testing in a clear and precise style - Uses the TMM framework to introduce testing concepts in a systematic, evolutionary way to facilitate understanding - Describes the role of testing tools and measurements, and how to integrate them into the testing process Graduate students and industry professionals will benefit from the book, which is designed for a graduate course in software testing, software quality assurance, or software validation and verification Moreover, the number of universities with graduate courses that cover this material will grow, given the evolution in software development as an engineering discipline and the creation of degree programs in software engineering.

The central aim of many studies in population research and demography is to explain cause-effect relationships among variables or events. For decades, population scientists have concentrated their efforts on estimating the 'causes of effects' by applying standard cross-sectional and dynamic regression techniques, with regression coefficients routinely being understood as estimates of causal effects. The standard approach to infer the 'effects of causes' in natural sciences and in psychology is to conduct randomized experiments. In population studies, experimental designs are generally infeasible. In population studies, most research is based on non-experimental designs (observational or survey designs) and rarely on quasi experiments or natural experiments. Using non-experimental designs to infer causal relationships—i.e. relationships that can ultimately inform policies or interventions—is a complex undertaking. Specifically, treatment effects can be inferred from non-experimental data with a counterfactual approach. In this counterfactual perspective, causal effects are defined as the difference between the potential outcome irrespective of whether or not an individual had received a certain treatment (or experienced a certain cause). The counterfactual approach to estimate effects of causes from quasi-experimental data or from observational studies was first proposed by Rubin in 1974 and further developed by James Heckman and others. This book presents both theoretical contributions and empirical applications of the counterfactual approach to causal inference.

All organizations experience unintended variation and its consequences. Such problems exist within a broad range of scope, persistence, and severity across different industries. Some problems cause minor nuisances, others leads to loss of customers or money, others yet can be a matter of life and death. The purpose of this pocket guide is to provide you with easily accessible knowledge about the art of problem solving, with a specific focus on identifying and eliminating root causes of problems. Root cause analysis is a skill that absolutely everybody should master, irrespective of which sector you work in, what educational background you have, and which position in the organization you hold. The content in this little pocket guide can contribute to disseminating this skill a little further in the world.

With the most coverage of the writing process of any rhetorical writing guide, STEPS TO WRITING WELL has helped thousands of students learn to write effective academic essays. Jean Wyrick's text is known for its student-friendly, approachable tone and the way it presents rhetorical strategies for composing essays in an easy-to-follow progression of useful lessons and activities. With thoughtful instruction, almost 40 student and professional readings, and a wealth of short and long assignments, the text gives students the models and practice they need to write well-constructed essays with confidence. This 13th edition features useful new visual learning aids; many new student samples, professional readings, and advertisements; new essay assignments that promote using sources and multiple rhetorical strategies; a new organization for expository writing assignments and research; and updated discussions of drafting and reading multimodal texts. This edition has been updated to reflect guidelines from the 2016 MLA HANDBOOK, Eighth Edition. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Master the fundamentals critical to becoming an effective writer with Yagelski's WRITING: TEN CORE CONCEPTS, 3E. Carefully designed guides, thoroughly integrated with the core concepts, set this book apart as you study key rhetorical moves within analytical, persuasive and narrative writing. Ap-

plied assignments challenge you to complete causal analysis, academic arguments and literacy narratives. This edition presents writing as an interaction between writer and reader, teaching you how to use writing skills to participate in important conversations shaping today's lives. This edition features 26 new readings and 11 new sample student essays as well as new chapters on literacy narratives, summary-response essays, annotated bibliographies and presentations. Updates guide you in working with digital resources, expand your critical reading strategies and highlight the latest APA and MLA guidelines. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Even students capable of writing excellent essays still find their first major political science research paper an intimidating experience. Crafting the right research question, finding good sources, properly summarizing them, operationalizing concepts and designing good tests for their hypotheses, presenting and analyzing quantitative as well as qualitative data are all tough-going without a great deal of guidance and encouragement. Writing a Research Paper in Political Science breaks down the research paper into its constituent parts and shows students what they need to do at each stage to successfully complete each component until the paper is finished. Practical summaries, recipes for success, worksheets, exercises, and a series of handy checklists make this a must-have supplement for any writing-intensive political science course. New to the Fourth Edition: A non-causal research paper woven throughout the text offers explicit advice to guide students through the research and writing process. Updated and more detailed discussions of plagiarism, paraphrases, "drop-ins," and "transcripts" help to prevent students from misusing sources in a constantly changing digital age. A more detailed discussion of "fake news" and disinformation shows students how to evaluate and choose high quality sources, as well as how to protect oneself from being fooled by bad sources. Additional guidance for writing abstracts and creating presentations helps students to understand the logic behind abstracts and prepares students for presentations in the classroom, at a conference, and beyond. A greater emphasis on the value of qualitative research provides students with additional instruction on how to do it.

Robert P. Yagelski's WRITING: TEN CORE CONCEPTS is based on ten fundamental lessons -- the core concepts -- that students must learn to become effective writers. The thorough integration of these core concepts and the space devoted to guiding students through the main composing assignments distinguishes this book from all other writing guides. The text introduces students to the key rhetorical moves of three essential aims of writing (analysis, argument, and narrative) and then offers applied assignment chapters that use the ten core concepts to guide students' thinking and writing. Emphasizing writing as an interaction between a writer and a reader, WRITING: TEN CORE CONCEPTS offers students a way to participate in the important conversations that shape our lives. The second edition includes 21 new readings, new strategies for academic reading, a new section on summary-response essays, updated guidance on finding digital resources and on MLA documentation, and more. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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All the help students need to succeed Because so many first-year writing students lack the basic skills the course demands, reading specialist McWhorter gives them steady guidance through the challenges they face in academic work. Successful College Writing offers extensive instruction in active and critical reading, practical advice on study and college survival skills, step-by-step strategies for writing and research, detailed coverage of the nine rhetorical patterns of development, and 61 readings that provide strong rhetorical models, as well as an easy-to-use handbook in the complete edition. McWhorter's unique visual approach to learning uses graphic organizers, revision flowcharts, and other visual tools to help students analyze texts and write their own essays. Her unique attention to varieties of learning styles also helps empower students, allowing them to identify their strengths and learning preferences. "Successful College Writing is not just about the mastery of academic discourse. It's a leader in its genre because it helps students acquire valuable strategies for creating effective texts that are associated with expert professional communication in general." — Lilia Savova, Indiana University of Pennsylvania

"The 4th edition of this extensive text is an outstanding resource prepared by nurses (and a librarian) for nurses. In a structured and helpful style it presents thousands of items from the literature - published papers, reports, books and electronic resources - as a clear, accessible, and most of all useful collection. The efforts to signpost and lead the reader to the sought-for information are effective and well-conceived, and the "How to use this book" section is remarkably simple...the book should be found in every nursing and health library, every research institute and centre, and close to many career researchers' desks' - RCN Research This latest edition of Resources for Nursing Research provides a comprehensive bibliography of sources on nursing research, and includes references for books, journal papers and Internet resources. Designed to act as a 'signpost' to available literature in the area, this Fourth Edition covers the disciplines of nursing, health care and the social sciences. Entries are concise, informative and accessible, and are arranged under three main sections: · 'Sources of Literature' covers the process of literature searching, including using libraries and other tools for accessing literature · 'Methods of Inquiry' includes an introduction to research, how to conceptualize and design nursing and health research, measurement and data collection, and the interpretation and presentation of data · 'The Background to Research in Nursing' encompasses the development of nursing research; the profession's responsibilities; the role of government; funding; research roles and careers; and education for research. Fully revised and updated, the Fourth Edition includes just under 3000 entries, of which 90% are new. It has extensive coverage of US, UK literature and other international resources. This new edition will be an essential guide for all those with an interest in nursing research, including students, teachers, librarians, practitioners and researchers.

Causality offers the first comprehensive coverage of causal analysis in many sciences, including recent advances using graphical methods. Pearl presents a unified account of the probabilistic, manipulative, counterfactual and structural approaches to causation, and devises simple mathematical tools for analyzing the relationships between causal connections, statistical associations, actions and observations. The book will open the way for including causal analysis in the standard curriculum of statistics, artificial intelligence ...

Click here to find out about the 2009 MLA Updates and the 2010 APA Updates. Designed to be clear and simple, *How to Write Anything* re-imagines how texts work, with support for students wherever they are in their writing process. The Guide, in Parts 1 and 2, lays out focused advice for writing common genres, while the Reference, in Parts 3 through 9, covers the range of writing and research skills that students need as they work across genres and disciplines. Intuitive cross-referencing and a modular chapter organization that's simple to follow make it easy for students to work back and forth between the chapters and still stay focused on their own writing. Now also available in a version with 50 fresh, additional readings from a wide range of sources, organized by the genres covered in the guide. The result is everything you need to teach composition in a flexible, highly visual guide, reference, and reader. Introducing Author Talk: Watch our video interview with Jay Dolmage.

Written and extensively class tested with NSF/NIH support, this timely and useful text addresses a crucial need which is acknowledged in most universities and colleges. It is the need for students to learn to write in the context of their field of study; in this case science. Although numerous "how to" writing books have been published, few, if any, address the central pedagogical issues underlying the process of learning to think and write scientifically. The direct connection between this writing skill and that of critical thinking is developed with engaging style by the author, an English professor. Moriarty's book is an invaluable guide for both undergraduate and graduate science students. In the process of learning the specific requirements of organization demanded by scientific writing, students will develop strategies for thinking through their scientific research, well before they sit down to write. This instructive text will be useful to students who need to satisfy a science writing proficiency requirement in the context of a science course, a course in technical writing, advanced composition, or writing for the profession.

Click here to find out more about the 2009 MLA Updates and the 2010 APA Updates. Reading specialist Kathleen McWhorter understands that students are often lacking in the skills they need to succeed in the first-year writing course and need a text that doesn't assume they have mastered all the basics. *Successful College Writing* meets students where they are, offering extensive instruction in careful and critical reading, practical advice on study and college survival skills, step-by-step strategies for writing and research, detailed coverage of the nine rhetorical patterns of development,

and 64 professional and student readings that provide strong rhetorical models, as well as an easy-to-use handbook in the complete edition. McWhorter's unique visual approach to learning uses graphic organizers, revision flowcharts, and other visual tools to help students analyze texts and write their own essays. Her unique attention to varieties of learning styles also helps empower students, allowing them to identify their strengths and learning preferences.

Healthcare organizations and professionals have long needed a straightforward workbook to facilitate the process of root cause analysis (RCA). While other industries employ the RCA tools liberally and train facilitators thoroughly, healthcare has lagged in establishing and resourcing a quality culture. Presently, a growing number of third-party stakeholders are holding access to accreditation and reimbursement pending demonstration of a full response to events outside of expected practice. An increasing number of exceptions to healthcare practice have precipitated a strong response advocating the use of proven quality tools in the industry. In addition, the industry has now expanded its scope beyond the hospital walls to many ancillary healthcare facilities with little experience in implementing quality tools. This book responds to the demand for a RCA workbook written specifically for healthcare, yet still broad in its definition of the industry. This book contains everything that the typical RCA leader in healthcare requires: A text specific to healthcare, but using the broadest definition of the industry to include not only acute care hospitals, but rehabilitation facilities, long-term care facilities, outpatient surgery centers, ambulatory services, and general office practices. A workbook-style format that walks through the process, step-by-step. Straightforward text without "sidebars," "tables," and "tips." Worksheets are provided at the end of the book to reduce reader distraction within the text. A wide range of real-world examples. Format for use by the most naive of users and most basic of processes, as well as a separate section for more advanced users or more complex issues. Templates, both print and electronic, included for the reader's use. Ready-to-use educational materials with scripting to enable the user to train others and garner support for the use of the techniques. Background text for users in leadership to understand the tools in the larger context of healthcare improvement. Up-to-date information on the latest in the use of RCA in satisfying mandatory reporting requirements and slaying the myth that the process is onerous and fraught with barriers. Background text and tools/process are separated to facilitate the readers' specific needs. Healthcare leaders can appreciate the current context and requirements without wading through the actual techniques; end-users can begin learning the skills without wading through dense administrative text. Language and tone promoting the use of the tools for improvement of processes that have experienced exceptions, as opposed to assigning blame for errors. Attention to process ownership, training, and resourcing. And, most importantly, thorough description of the improvement process as well as the analysis.