

By Millett Granger Morgan Uncertainty A Guide To Dealing With Uncertainty In Quantitative Risk And Policy Analysis 1st First Edition

For the Colleys of southeastern Missouri, the War between the States is a plague that threatens devastation, despite the family's avowed neutrality. For eighteen-year-old Adair Colley, it is a nightmare that tears apart her family and forces her and her sisters to flee. The treachery of a fellow traveler, however, brings about her arrest, and she is caged with the criminal and deranged in a filthy women's prison. But young Adair finds that love can live even in a place of horror and despair. Her interrogator, a Union major, falls in love with her and vows to return for her when the fighting is over. Before he leaves for battle, he bestows upon her a precious gift: freedom. Now an escaped "enemy woman," Adair must make her harrowing way south buoyed by a promise . . . seeking a home and a family that may be nothing more than a memory.

A story to break your heart – if you read only one book this year, make it *The Fortunate Ones*. Germany, 1941. When Inge – all blonde curls and good manners – first locks eyes with Felix, she knows instinctively that he's off limits. Her staunchly proper parents will never approve of a working-class Jewish boy for their precious only daughter. But that doesn't make their first, shy kiss less significant, or the moment they're torn apart less shocking. The next time they see each other, it will be across the packed courtyard of a Nazi concentration camp – Felix in the prisoners' ranks and Inge on the arm of her new, Nazi husband. Inge never knew that her father's 'party loyalty' would extend to marrying her off to a cruel Nazi officer twice her age, who sees his new wife as just another thing to control. She has always been a good girl – a silent wife – but when Inge sees Felix that day – beaten, bloody and brave – she knows she can't stay silent any longer. She must save him, whatever the cost, whatever her husband or even her country might do to her later... What readers are saying about *The Fortunate Ones*: ***** 'What an amazing read, well written emotional and very compelling... I was totally absorbed in the story and I would love to give it 10 stars. One of my best reads this year. I can't begin to say how much I loved this book, I couldn't put it down, absolutely brilliant.' Goodreads reviewer ***** 'Heartbreaking... I cried many, many times... This story showed just how important hope can be.... The historical detail Hokin poured into this book through her research was simply phenomenal. *The Fortunate Ones* is a must-read.' Goodreads reviews ***** 'This was a wonderful story about romance, life, and survival. I could not put it down... heartbreaking.' Crossroad Reviews ***** 'This story just swept me away... I was left speechless... just wow!!... I do recommend a box of tissues... This book will have you turning the pages.' Red Headed Book Lady blog ***** 'I stayed up all hours to finish this book. There were moments I could barely breathe. A fantastic and compelling read if you like suspense, WWII, and stories that aren't always tied neatly with a bow.' Goodreads reviewer ***** 'What an extraordinary, engaging story. It moved me to undiscovered heights of understanding and compassion. A novel that will stay in my mind forever.' Goodreads reviewer ***** 'Contained within a richly detailed narrative was a story that spoke of prevalence of the human spirit, both resilient and beatific, bowed but never broken by the unfathomable horrors of war. Captivating. Sobering. Unflinching. 5+ stars.' Goodreads reviewer 'The writing is deeply moving, so much detail is cleverly woven throughout to make this a vivid and entrancing read. Strong characters make this such a gripping read.' NetGalley reviewer 'From the first to the very last page this story was a sheer joy to read. One of hope, despair, love and loss and history combined this book has it all. Thoroughly recommend.' Goodreads reviewer

English summary: The normative theory of government discretion in relation to both lawmaking and administrative adjudication, which is one of the central elements of planning law, has

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yielded a wealth of valuable insights based on an analysis of a long and extensive case law history. However, up to now little attention has been paid to the fact that the doctrine of reasonable commensuration (*Abwägungsgebot*), which is derived from the principle of proportionality, makes certain methodological demands, particularly pertaining to predictions and value judgments, demands that cannot be sufficiently dealt with by using only natural language. In view of the gulf between these requirements and their implementation, Ekkehard Hofmann studies the potential usefulness of the numerical methods, developed in economic decision theory for carrying out the overall assessment that is necessary for making balanced decisions and communicating their rationale. German description: Die Abwägungsdogmatik halt nach einer langjährigen und umfangreichen Rechtsprechungsgeschichte nicht nur eine Fülle von Lösungen für Einzelfragen des Planungsrechts bereit. Darüber hinaus lässt sich das dem Verhältnismäßigkeitsgrundsatz entstammende Gebot gerechter Abwägung auch ohne weiteres als allgemeine Grundstruktur komplexer hoheitlicher Handlungen entfalten. Bisher nur wenig beachtet wurde hingegen, dass das Abwägungsgebot bestimmte Anforderungen im Sinne einer Handlungsnorm an Verwaltung und Gesetzgeber stellt, die mit der üblichen natürlich-sprachlichen Darstellungsweise nicht hinreichend bewältigt werden können. Insbesondere die Durchführung einer Gesamtabwägung unter Heranziehung einer bilanzierenden Betrachtungsweise stellt die Praxis vor methodische Probleme. Da aber der Verhältnismäßigkeitsgrundsatz Grundvoraussetzungen rationalen Handelns formuliert, erscheint eine Weiterentwicklung des Rechts angezeigt. Ekkehard Hofmann zieht hierfür die wirtschaftswissenschaftliche Entscheidungstheorie heran, in der eine Vielzahl leistungsfähiger Methoden zur Beschreibung und Anleitung von Entscheidungsvorgängen entwickelt worden ist. Um die Übertragbarkeit dieser Verfahren auf den Kontext hoheitlicher Entscheidungen zu überprüfen, werden die bisherigen Anwendungsfelder formaler Ansätze in der Praxis ausführlich analysiert. Die zunehmend erkennbaren Bemühungen der deutschen Bundesregierung, der US-Regierung und in jüngster Zeit auch der EU-Kommission um eine transparente und kalkulatorisch leistungsfähige Methodik lassen erwarten, dass derartige Instrumente in Zukunft bei Rechtsanwendung und Rechtsetzung verstärkt zum Einsatz kommen werden.

The United States produces over seventy percent of all its electricity from fossil fuels and nearly fifty percent from coal alone. Worldwide, forty-one percent of all electricity is generated from coal, making it the single most important fuel source for electricity generation, followed by natural gas. This means that an essential part of any portfolio for emissions reduction will be technology to capture carbon dioxide and permanently sequester it in suitable geologic formations. While many nations have incentivized development of CCS technology, large regulatory and legal barriers exist that have yet to be addressed. This book identifies current law and regulation that applies to geologic sequestration in the U.S., the regulatory needs to ensure that geologic sequestration is carried out safely and effectively, and barriers that current law and regulation present to timely deployment of CCS. The authors find the three most significant barriers to be: an ill-defined process to access pore space in deep saline formations; a piecemeal, procedural, and static permitting system; and the lack of a clear, responsible plan to address long-term liability associated with sequestered CO₂. The book provides legislative options to remove these barriers and address the regulatory needs, and makes recommendations on the best options to encourage safe, effective deployment of CCS. The authors operationalize their recommendations in legislative language, which is of particular use to policymakers faced with the challenge of addressing climate change and energy.

Health Issues in the Black Community THIRD EDITION "The outstanding editors and authors of Health Issues in the Black Community have placed in clear perspective the challenges and opportunities we face in working to achieve the goal of health equity in America." —David Satcher, MD, PhD, 16th Surgeon General of the United States and director, Satcher Health

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Leadership Institute at Morehouse School of Medicine "Eliminating health disparities must be a central goal of any forward thinking national health policy. Health Issues in the Black Community makes a valuable contribution to a much-needed dialogue by focusing on the challenges of the black community." —Marc Morial, Esq., president, National Urban League "Health Issues in the Black Community illuminates comprehensively the range of health conditions specifically affecting African Americans, and the health disparities both within the black community and between racial and ethnic groups. Each chapter, whether addressing the health of African Americans by age, gender, type of disease, condition or behavior, is well-detailed and tells an important story. Together, they offer practitioners, consumers, scholars, and policymakers a crucial roadmap to address and change the social determinants of health, reduce disparities, and create more equal treatment for all Americans." —Risa Lavizzo-Mourey, MD, MBA, president, Robert Wood Johnson Foundation "I recommend Health Issues in the Black Community as a must-read for anyone concerned about the future of the African American community. Health disparities continues to be one of the major issues confronting the black community. This book will help to highlight the issues and keep attention focused on the work to be done." —Elsie Scott, PhD, president of the Congressional Black Caucus Foundation "This book is the definitive examination of health issues in black America—issues sadly overlooked and downplayed in our culture and society. I congratulate Drs. Braithwaite, Taylor, and Treadwell for their monumental book." —Cornel West, PhD, professor, Princeton University

England, 1921. Three years after her husband, Alex, disappeared, shot down over Germany, Jo Manders still mourns his loss. Working as a paid companion to Alex's wealthy, condescending aunt, Dottie Forsyth, Jo travels to the family's estate in the Sussex countryside. But there is much she never knew about her husband's origins...and the revelation of a mysterious death in the Forsyths' past is just the beginning... All is not well at Wych Elm House. Dottie's husband is distant, and her son was grievously injured in the war. Footsteps follow Jo down empty halls, and items in her bedroom are eerily rearranged. The locals say the family is cursed, and that a ghost in the woods has never rested. And when Jo discovers her husband's darkest secrets, she wonders if she ever really knew him. Isolated in a place of deception and grief, she must find the truth or lose herself forever. And then a familiar stranger arrives at Wych Elm House...

"Carefully researched and lovingly written, Rinaldi's latest presents a girl indentured to John and Abigail Adams during the tense period surrounding the 1770 Massacre. . . . Fortuitously timed, a novel that illuminates a moment from our past that has strong parallels to recent events. Bibliography."—Kirkus Reviews

Hollywood turned Ginger Rogers into a star. What will it do for her cousin? Pretty Oklahoma teenager Helen Nichols accepts an invitation from her cousin, rising movie actress Ginger Rogers, and her Aunt Lela, to try her luck in motion pictures. Her relatives, convinced that her looks and personality will ensure success, provide her with a new name and help her land a contract with RKO. As Phyllis Fraser, she swiftly discovers that Depression-era Hollywood's surface glamor and glitter obscure the ceaseless struggle of the hopeful starlet. Lela Rogers, intensely devoted to her daughter and her niece, outwardly accepting of her stage mother label, is nonetheless determined to establish her reputation as screenwriter, stage director, and studio talent scout. For Phyllis, she's an inspiring model of grit and persistence in an industry run by men. While Ginger soars to the heights of stardom in musicals with Fred Astaire, Phyllis is tempted by a career more fulfilling than the one she was thrust into. Should she continue working in films, or devote herself to the profession she's dreamed about since childhood? Which choice might lead her to the lasting love that seems so elusive?

'Travel to Skagen and find him. Give him my letter. Seek a better life, Marianne! Promise!' Bound by a vow made to her dying mother, Marianne sells her few belongings and leaves

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Grimsby. Her destination? Denmark, where she will search for her father, Lars Christensen-the golden-haired fisherman her mother fell in love with many years before. The journey will be long-and dangerous for a young girl travelling alone. As Marianne boards the fishing boat that will carry her across the North Sea, she wonders: will Denmark be the fairy-tale land she has dreamt of? Will she find happiness there? Will the father she has never met welcome the arrival of his illegitimate child? And why didn't he return for her mother, as he promised he would?

Discusses the health effects of high-voltage transmission lines. Covers the nature of the electric and magnetic fields produced, cellular and animal experiments, human exposures, cancer and electromagnetic fields, current research and regulations, and policy alternatives. Sentiment analysis and opinion mining is the field of study that analyzes people's opinions, sentiments, evaluations, attitudes, and emotions from written language. It is one of the most active research areas in natural language processing and is also widely studied in data mining, Web mining, and text mining. In fact, this research has spread outside of computer science to the management sciences and social sciences due to its importance to business and society as a whole. The growing importance of sentiment analysis coincides with the growth of social media such as reviews, forum discussions, blogs, micro-blogs, Twitter, and social networks. For the first time in human history, we now have a huge volume of opinionated data recorded in digital form for analysis. Sentiment analysis systems are being applied in almost every business and social domain because opinions are central to almost all human activities and are key influencers of our behaviors. Our beliefs and perceptions of reality, and the choices we make, are largely conditioned on how others see and evaluate the world. For this reason, when we need to make a decision we often seek out the opinions of others. This is true not only for individuals but also for organizations. This book is a comprehensive introductory and survey text. It covers all important topics and the latest developments in the field with over 400 references. It is suitable for students, researchers and practitioners who are interested in social media analysis in general and sentiment analysis in particular. Lecturers can readily use it in class for courses on natural language processing, social media analysis, text mining, and data mining. Lecture slides are also available online. Table of Contents: Preface / Sentiment Analysis: A Fascinating Problem / The Problem of Sentiment Analysis / Document Sentiment Classification / Sentence Subjectivity and Sentiment Classification / Aspect-Based Sentiment Analysis / Sentiment Lexicon Generation / Opinion Summarization / Analysis of Comparative Opinions / Opinion Search and Retrieval / Opinion Spam Detection / Quality of Reviews / Concluding Remarks / Bibliography / Author Biography

Choice is a key concept of our time. It is a foundational mechanism for every legal order in societies that are, politically, constituted as democracies and, economically, built on the market mechanism. Thus, choice can be understood as an atomic structure that grounds core societal processes. In recent years, however, the debate over the right way to theorize choice - for example, as a rational or a behavioral type of decision making - has intensified. This collection provides an in-depth discussion of the promises and perils of specific types of theories of choice. It shows how the selection of a specific theory of choice can make a difference for concrete legal questions, in particular in the regulation of the digital economy or in choosing between market, firm, or network. In its first part, the volume provides an accessible overview of the current debates about rational versus behavioral approaches to theories of choice. The remainder of the book structures the vast landscape of theories of choice along with three main types: individual, collective, and organizational decision making. As theories of choice proliferate and become ever more sophisticated, however, the process of choosing an adequate theory of choice becomes increasingly intricate. This volume addresses this selection problem for the various legal arenas in which individual, organizational, and collective decisions matter. By drawing on economic, technological, political, and legal points of view, the

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volume shows which theories of choice are at the disposal of the legally relevant decision-maker, and how they can be operationalized for the solution of concrete legal problems. The editors acknowledge the kind support of the Fritz Thyssen Foundation for an exploratory conference on the subject of the book.

Felix is lucky. Unlike the other children in the orphanage, he's certain his parents will come back for him one day. And whatever the Nazis do and however many books they burn, Felix's imagination provides him and his companions with an endless supply of stories that protect them when they're on the run and one day may even save Felix's life.

Uncertainty A Guide to Dealing with Uncertainty in Quantitative Risk and Policy Analysis Cambridge University Press

Many books instruct readers on how to use the tools of policy analysis. This book is different. Its primary focus is on helping readers to look critically at the strengths, limitations, and the underlying assumptions analysts make when they use standard tools or problem framings. Using examples, many of which involve issues in science and technology, the book exposes readers to some of the critical issues of taste, professional responsibility, ethics, and values that are associated with policy analysis and research. Topics covered include policy problems formulated in terms of utility maximization such as benefit-cost, decision, and multi-attribute analysis, issues in the valuation of intangibles, uncertainty in policy analysis, selected topics in risk analysis and communication, limitations and alternatives to the paradigm of utility maximization, issues in behavioral decision theory, issues related to organizations and multiple agents, and selected topics in policy advice and policy analysis for government.

Authored by a team of experts, the new edition of this bestseller presents practical techniques for managing inventory and production throughout supply chains. It covers the current context of inventory and production management, replenishment systems for managing individual inventories within a firm, managing inventory in multiple locations and firms, and production management. The book presents sophisticated concepts and solutions with an eye towards today's economy of global demand, cost-saving, and rapid cycles. It explains how to decrease working capital and how to deal with coordinating chains across boundaries.

"This report describes the methodology for risk-informed trade-space analysis developed by the U.S. Army Materiel Systems Analysis Activity Risk Integrated Product Team and researchers from the RAND Corporation and the first iteration of the associated Risk-Informed Trade Analysis Model. The framework combines elements of system engineering, production economics, and risk analysis to functionally and probabilistically relate performance, schedule, and cost outcomes and their uncertainties holistically and understandably. The technology development process is conceptualized as one in which the physical system is described as a portfolio of technologies with associated technical capabilities, and the completion of each technology's development is a discrete random variable. The performance characteristics of the final system are stochastic. In addition, the time of technology development is also stochastic and, in part, drives the overall cost of the system. In a departure from previous analyses, the authors incorporate technology-specific courses of action, or risk-mitigation behaviors, that are assumed to take place in the event that the technology is not developed at the milestone date. For example, one might assume that a lesser-performing but existing substitute could replace a particular developmental technology or that, if that technology is of critical importance, the schedule might be allowed to slip. Through analysis of alternative courses of action and their effects on the resultant probability distributions estimated for performance, schedule, and cost, decisionmakers have a means to understand the implications of certain risk-mitigating actions. Technology, schedule, and cost trades can be examined between or within individual systems"--Publisher's web site.

A risk analysis textbook which is intended as a basic text for students as well as a reference for practitioners and researchers. It provides a basis for policy analysis and draws upon a variety

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of case studies.

In response to the coronavirus disease 2019 (COVID-19) pandemic and the societal disruption it has brought, national governments and the international community have invested billions of dollars and immense amounts of human resources to develop a safe and effective vaccine in an unprecedented time frame. Vaccination against this novel coronavirus, severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), offers the possibility of significantly reducing severe morbidity and mortality and transmission when deployed alongside other public health strategies and improved therapies. Health equity is intertwined with the impact of COVID-19 and there are certain populations that are at increased risk of severe illness or death from COVID-19. In the United States and worldwide, the pandemic is having a disproportionate impact on people who are already disadvantaged by virtue of their race and ethnicity, age, health status, residence, occupation, socioeconomic condition, or other contributing factors. Framework for Equitable Allocation of COVID-19 Vaccine offers an overarching framework for vaccine allocation to assist policy makers in the domestic and global health communities. Built on widely accepted foundational principles and recognizing the distinctive characteristics of COVID-19, this report's recommendations address the commitments needed to implement equitable allocation policies for COVID-19 vaccine.

A world list of books in the English language.

Health psychology is a rapidly expanding discipline at the interface of psychology and clinical medicine. This new edition is fully reworked and revised, offering an entirely up-to-date, comprehensive, accessible, one-stop resource for clinical psychologists, mental health professionals and specialists in health-related matters. There are two new editors: Susan Ayers from the University of Sussex and Kenneth Wallston from Vanderbilt University Medical Center. The prestigious editorial team and their international, interdisciplinary cast of authors have reconceptualised their much-acclaimed handbook. The book is now in two parts: part I covers psychological aspects of health and illness, assessments, interventions and healthcare practice. Part II covers medical matters listed in alphabetical order. Among the many new topics added are: diet and health, ethnicity and health, clinical interviewing, mood assessment, communicating risk, medical interviewing, diagnostic procedures, organ donation, IVF, MMR, HRT, sleep disorders, skin disorders, depression and anxiety disorders.

In a world of pagan traditions and deeply rooted love, a girl in jeopardy must save her family and community. A transporting historical novel by New York Times–bestselling author Cathy Marie Buchanan. It's the season of Fallow, in the era of iron. In a northern misty bog surrounded by woodlands and wheat fields, a settlement lies far beyond the reach of the Romans invading hundreds of miles to the southeast. Here, life is simple—or so it seems to the tightly knit community. Sow. Reap. Honor Mother Earth, who will provide at harvest time. A girl named Devout comes of age, sweetly flirting with the young man she's tilled alongside all her life, and envisions a future of love and abundance. Seventeen years later, though, the settlement is a changed place. Famine has brought struggle, and outsiders, with their foreign ways and military might, have arrived at the doorstep. For Devout's young daughter, life is more troubled than her mother ever anticipated. But this girl has an extraordinary gift. As worlds collide and peril threatens, it will be up to her to save her family and community. Set in a time long forgotten, Daughter of Black Lake brings the ancient world to life and introduces us to an unforgettable family facing an unimaginable trial.

Das bisherige institutionell arrangierte Verhältnis von Sicherheit und Risiko ist angesichts der massiven Veränderungen der inneren, der sozialen und der äußeren Sicherheit in der Krise. Moderne Gesellschaften stehen vor der Frage, wie und in

welchen Formen dieses Verhältnis neu bestimmt und auf soziale, rechtliche und politische Weise neu arrangiert werden kann. Der Fokus dieses Bandes zielt auf die Evaluierung politischer, sozialer und technischer Umgangsweisen mit Risiko sowie auf die Analyse der gesellschaftlichen Imaginationen, die mit diesen unweigerlich verknüpft sind.

Piloting is an important form of policy experimentation and a promising tool for policymakers to innovate, formulate and test alternative policy designs for the future. While this is recognized in theory, there are several challenges in realizing a pilot's potential to do so in practice. Addressing these challenges ask for a deeper understanding of the design of policy pilots and their outcomes in terms of how they mainstream into routine policymaking. Looking back at selected national piloting initiatives in Indian agriculture over a period of twenty-five years, this book draws insights for policy theory and practice. Design features of pilots that are found to influence their scaling-up and translation into formal policies (or not) are distilled from literature and compared across the selected cases. Theoretical insights from the book can be extended and adapted to agricultural policymaking in other Asian countries as well as to policy formulation in other sectors.

Set in Tehran in 1973, seventeen-year-old Pasha Shahed spends his summer with his best friend planning his future and falls in love with his neighbor Zari, who has been betrothed since birth to another man.

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From the No.1 Sunday Times bestselling author of *The Ashes of London* comes the next book in the phenomenally successful series following *James Marwood* and *Cat Lovett*.

One approach to expressing the uncertainty in a cost estimate is probability distribution, and cost analysts have proposed getting such information from subjective probability distributions elicited from experts. This technical report offers a selective review of the literature of probability elicitation, both in the fields of psychology and statistics and in the cost risk field, and insights from senior people in the cost risk community.

Developed for use as a reference work in graduate and undergraduate courses as well as for researchers, policymakers, and interested laypersons, the book is a unique collection of authoritative yet accessible journal articles about risk. Drawn from a variety of disciplines including the physical and social sciences, engineering, and law, the articles deal with a wide range of public policy, regulatory, management, energy, and environmental issues. The selections are accompanied by introductory notes, questions for thought and discussion, and suggestions for further reading.

In a rapidly changing world, there is an ever-increasing need to monitor the Earth's resources and manage it sustainably for future generations. Earth observation from satellites is critical to provide information required for informed and timely decision making in this regard. Satellite-based earth observation has advanced rapidly over the last 50 years, and there is a plethora of satellite sensors imaging the Earth at finer spatial and spectral resolutions as well as high temporal resolutions. The amount of data available for any single location on the Earth is now at the petabyte-scale. An ever-increasing capacity and computing power is needed to handle such large datasets. The Google Earth Engine (GEE) is a cloud-based computing platform that was established by Google to support such data processing. This facility allows for the storage,

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processing and analysis of spatial data using centralized high-power computing resources, allowing scientists, researchers, hobbyists and anyone else interested in such fields to mine this data and understand the changes occurring on the Earth's surface. This book presents research that applies the Google Earth Engine in mining, storing, retrieving and processing spatial data for a variety of applications that include vegetation monitoring, cropland mapping, ecosystem assessment, and gross primary productivity, among others. Datasets used range from coarse spatial resolution data, such as MODIS, to medium resolution datasets (Worldview -2), and the studies cover the entire globe at varying spatial and temporal scales.

Pigments, corrosion products, and minerals are usually considered separately, either as painting materials or as the deterioration products of metals, even though they are often the same compounds. This 190-year review of the literature on copper and its alloys integrates that information across a broad spectrum of interests that are all too frequently compartmentalized. The author discusses the various environmental conditions to which copper alloy objects may be exposed-including burial, outdoor, and indoor museum environments-and the methods used to conserve them. The book also includes information on ancient and historical technologies, the nature of patina as it pertains to copper and bronze, and the use of copper corrosion materials as pigments. Chapters are organized primarily by chemical corrosion products and include topics such as early technologies, copper chlorides and bronze disease, the chemistry and history of turquoise, Egyptian blue and other synthetic copper silicates, the organic salts of copper in bronze corrosion, and aspects of bronze patinas. A detailed survey of conservation treatments for bronze objects is also provided. Four appendixes cover copper and bronze chemistry, replication experiments for early pigment recipes, a list of copper minerals and corrosion products, and X-ray diffraction studies.

At a time when an American's investment in the democratic process has largely been reduced to an annual contribution to a political party or organization, Downsizing Democracy offers a critical reassessment of American democracy.

[Copyright: 797b8628b9dd0786a584c9c48065de3e](https://www.pdfdrive.com/copper-and-bronze-chemistry-replication-experiments-for-early-pigment-recipes-a-list-of-copper-minerals-and-corrosion-products-and-x-ray-diffraction-studies-p123456789.html)