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Investigative Journalism MIT Press
This book is your guide to understanding what journalism is and could be in an age of digital technology and datafication. Journalism today is entwined with the digital. Stories can come from crowdsourcing and content farms. They can incorporate data visualisations and virtual reality. Journalists can find themselves working as self-employed digital entrepreneurs or for tech giants like Google and Facebook. This book explores the development of journalism in this era of digital tech, and big and open data. It explores the crucial new developments of online journalism, data journalism, computational journalism and entrepreneurial journalism, and what this means for our understanding of journalism as a profession, and as a part of society. Using a wealth of international case studies, Jingrong Tong explores contemporary issues such as: AI, Automated news, ‘ robot reporters ’, and algorithmic accountability. Digital business models, from venture capital to tech start-ups to crowd-funding. Audiences and dissemination in and age of platform capitalism Questions of censorship, democracy and state control. Digital challenges to journalistic autonomy and legitimacy. With clear explanations throughout, Journalism in the Data Age introduces you to a range of ideas, debates and key concepts. It is essential reading for all students of journalism. Dr Jingrong Tong is Senior Lecturer in Digital News Cultures at the University of Sheffield. **Data for Journalists** Theschoolbook.com

The starkly different ways that American and French online news companies respond to audience analytics and what this means for the future of news When the news moved online, journalists suddenly learned what their audiences actually liked, through algorithmic technologies that scrutinize web traffic and activity. Has this advent of audience metrics changed journalists’ work practices and professional identities? In Metrics at Work, Angèle Christin documents the ways that journalists grapple with audience data in the form of clicks, and analyzes how new forms of clickbait journalism travel across national borders. Drawing on four years of fieldwork in web newsrooms in the United States and France, including more than one hundred interviews with journalists, Christin reveals many similarities among the media groups examined—their editorial goals, technological tools, and even office furniture. Yet she uncovers crucial and paradoxical differences in how American and French journalists understand audience analytics and how these affect the news produced in each country. American journalists routinely disregard traffic numbers and primarily rely on the opinion of their peers to define journalistic quality. Meanwhile, French journalists fixate on internet traffic and view these numbers as a sign of their resonance in the public sphere. Christin offers cultural and historical explanations for these disparities, arguing that distinct journalistic traditions structure how journalists make sense of digital measurements in the two countries. Contrary to the popular belief that analytics and algorithms are globally homogenizing forces, Metrics at Work shows that computational technologies can have surprisingly divergent ramifications for work and organizations worldwide.

Practical R for Mass Communication and Journalism Columbia University Press
Do you want to use R to tell stories? This book was written for you—whether you already know some R or have never coded before. Most R texts focus only on programming or statistical theory. Practical R for Mass Communication and Journalism gives you ideas, tools, and techniques for incorporating data and visualizations into your narratives. You ’ ll see step by step how to: Analyze airport flight delays, restaurant inspections, and election results Map bank locations, median incomes, and new voting districts Compare campaign contributions to final election results Extract data from PDFs Whip messy data into shape for analysis Scrape data from a website Create graphics ranging from simple, static charts to interactive visualizations for the Web If you work or plan to work in a newsroom, government office, non-profit policy organization, or PR office, Practical R for Mass Communication and Journalism will help you use R in your world. This book has a companion website with code, links to additional resources, and searchable tables by function and task. Sharon Machlis is the author of Computerworld ’ s Beginner ’ s Guide to R, host of InfoWorld ’ s Do More With R video screencast series, admin for the R for Journalists Google Group, and is well known among Twitter users who follow the #rstats hashtag. She is Director of Editorial Data and Analytics at IDG Communications (parent company of Computerworld, InfoWorld, PC World and Macworld, among others) and a frequent speaker at data journalism and R conferences.

A Guide for Scholars, Researchers, and Wonks HarperCollins
With The Data Journalism Handbook, you'll explore the potential, limits, and applied use of this new and fascinating field. This handbook has attracted scores of contributors since the European Journalism Centre and the Open Knowledge Foundation launched the project at MozFest 2011. Through a collection of tips and techniques from leading journalists, professors, software developers, and data analysts, you'll learn how data can be wither the source of data journalism or a tool with which the story is told--or both. **Past, Present and Future** Routledge
How do we create new ways of looking at the world? Join award-winning data storyteller RJ Andrews as he pushes beyond the usual how-to, and takes you on an adventure into the rich art of informing. Creating Info We Trust is a craft that puts the world into forms that are strong and true. It begins with maps, diagrams, and charts —

but must push further than dry defaults to be truly effective. How do we attract attention? How can we offer audiences valuable experiences worth their time? How can we help people access complexity? Dark and mysterious, but full of potential, data is the raw material from which new understanding can emerge. Become a hero of the information age as you learn how to dip into the chaos of data and emerge with new understanding that can entertain, improve, and inspire. Whether you call the craft data storytelling, data visualization, data journalism, dashboard design, or infographic creation — what matters is that you are courageously confronting the chaos of it all in order to improve how people see the world. Info We Trust is written for everyone who straddles the domains of data and people: data visualization professionals, analysts, and all who are enthusiastic for seeing the world in new ways. This book draws from the entirety of human experience, quantitative and poetic. It teaches advanced techniques, such as visual metaphor and data transformations, in order to create more human presentations of data. It also shows how we can learn from print advertising, engineering, museum curation, and mythology archetypes. This human-centered approach works with machines to design information for people. Advance your understanding beyond by learning from a broad tradition of putting things “in formation” to create new and wonderful ways of opening our eyes to the world. Info We Trust takes a thoroughly original point of attack on the art of informing. It builds on decades of best practices and adds the creative enthusiasm of a world-class data storyteller. Info We Trust is lavishly illustrated with hundreds of original compositions designed to illuminate the craft, delight the reader, and inspire a generation of data storytellers.

Designing, Developing, and Delivering Data Visualizations Columbia University Press
In the post-digital era, investigative journalism around the world faces a revolutionary shift in the way information is gathered and interpreted. Reporters in the field are confronted with data sources, new logics of information dissemination, and a flood of disinformation. Investigative journalists are working with programmers, designers and scientists to develop innovative tools and hands-on approaches that assist them in disclosing the misuse of power and uncovering injustice. This volume provides an overview of the most sophisticated techniques of digital investigative journalism: data and computational journalism, which investigates stories hidden in numbers; immersive journalism, which digs into virtual reality; drone journalism, which conquers hitherto inaccessible territories; visual and interactive journalism, which reforms storytelling with images and audience perspectives; and digital forensics and visual analytics, which help to authenticate digital content and identify sources in order to detect manipulation. All these techniques are discussed against the backdrop of international political scenarios and globally networked societies. This edited volume, written by renowned international media practitioners and scholars, is full of illuminating insights into digital investigative journalism and addresses professional journalists, journalism researchers and students. *How Computers Misunderstand the World* "O'Reilly Media, Inc."

Faced with a full-blown crisis, a growing number of journalists are engaging in seemingly unjournalistic practices such as creating and maintaining databases, handling algorithms, or designing online applications. “Data journalists” claim that these approaches help the profession demonstrate greater objectivity and fulfill its democratic mission. In their view, computational methods enable journalists to better inform their readers, more closely monitor those in power, and offer deeper analysis. In Computing the News, Sylvain Parasia examines how data journalists and news organizations have navigated the tensions between traditional journalistic values and new technologies. He traces the history of journalistic hopes for computing technology and contextualizes the surge of data journalism in the twenty-first century. By importing computational techniques and ways of knowing new to journalism, news organizations have come to depend on a broader array of human and nonhuman actors. Parasia draws on extensive fieldwork in the United States and France, including interviews with journalists, data scientists, and technologists as well as a behind-the-scenes look at several acclaimed projects in both countries. Ultimately, he argues, fulfilling the promise of data journalism requires the renewal of journalistic standards and ethics. Offering an in-depth analysis of how computing has become part of the daily practices of journalists, this book proposes ways for journalism to evolve in order to serve democratic societies.

The Truthful Art New Riders
This straightforward and effective how-to guide provides the basics for any reporter or journalism student beginning to use data for news stories. It has step-by-step instructions on how to do basic data analysis in journalism while addressing why these digital tools should be an integral part of reporting in the 21st century. In an ideal core text for courses on data-driven journalism or computer-assisted reporting, Houston emphasizes that journalists are accountable for the accuracy and relevance of the data they acquire and share. With a refreshed design, this updated new edition includes expanded coverage on social media, scraping data from the web, and text-mining, and provides journalists with the tips and tools they need for working with data.

Democracy’s Detectives CRC Press
What is the true human cost of the war in Afghanistan? What are the real effects of the austerity measure? And how did the London riots spread so quickly?Facts are Sacred, the Guardian's award-winning datablog, publishes and analyses seemingly benign data - released under the auspices of transparency - to bring its readers astonishing revelations about the way we live now. It reveals how data has changed our world and what we can learn from it. Now, the most telling findings from the blog are brought together to give us the facts and figures behind the headlines, beautifully illustrated with extensive data visualisations. Ground-breaking and fascinating, it celebrates a resource that has pushed the boundaries of modern journalism and is a manifesto for a new way of seeing things.

The Data Journalism Handbook Springer
In Data Sketches, Nadiéh Bremer and Shirley Wu document the deeply creative process behind 24 unique data visualization projects, and they combine this with powerful technical insights which reveal the mindset behind coding creatively. Exploring 12 different themes – from the Olympics to Presidents & Royals and from Movies to Myths & Legends – each pair of visualizations explores different technologies and forms, blurring the boundary between visualization as an exploratory tool and an artform in its own right. This beautiful book provides an intimate, behind-the-scenes account of all 24 projects and shares the authors’ personal notes and drafts every step of the way. The book features: Detailed information on data gathering, sketching, and coding data visualizations for the web, with screenshots of works-in-progress and reproductions from the authors’ notebooks Never-before-published technical write-ups, with beginner-friendly explanations of core data visualization concepts Practical lessons based on the data and design challenges overcome during each project Full-color pages, showcasing all 24 final data visualizations This book is perfect for anyone interested or working in data visualization and information design, and especially those who want to take their work to the next level and are inspired by unique and compelling data-driven storytelling.

The Power of Data Routledge

When you combine the sheer scale and range of digital information now available with a journalist’s “nose for news” and her ability to tell a compelling story, a new world of possibility opens up. With *The Data Journalism Handbook*, you’ll explore the potential, limits, and applied uses of this new and fascinating field. This valuable handbook has attracted scores of contributors since the European Journalism Centre and the Open Knowledge Foundation launched the project at MozFest 2011. Through a collection of tips and techniques from leading journalists, professors, software developers, and data analysts, you’ll learn how data can be either the source of data journalism or a tool with which the story is told—or both. Examine the use of data journalism at the BBC, the Chicago Tribune, the Guardian, and other news organizations Explore in-depth case studies on elections, riots, school performance, and corruption Learn how to find data from the Web, through freedom of information laws, and by “crowd sourcing” Extract information from raw data with tips for working with numbers and statistics and using data visualization Deliver data through infographics, news apps, open data platforms, and download links

Towards A Critical Data Practice Routledge

The definitive guide to using data and technology in reporting, this text teaches students how to combine data analysis with traditional reporting to create compelling stories. Through coverage of theory, practical examples, online tutorials, and celebrated stories from around the world, this text demonstrates the tools and principles of data-driven journalism.

The Data Journalism Handbook Theschoolbook.com

Recent advances in digital technologies are allowing data journalists to find and tell stories in new and visually exciting ways, often working in collaboration with developers, statisticians and designers. It's a new frontier for many newsrooms, but not without its own teething pains. This much anticipated follow-up volume to the bestselling *Data Journalism: Mapping the future* features 30 chapters from journalists, developers and academics on both sides of the Atlantic and further afield. It is an essential primer for wannabe data hacks and others interested in the trade. The Editors: Tom Felle lectures at the Department of Journalism, City University London; John Mair is a journalism academic and former BBC director/producer; Damian Radcliffe is Carolyn S Chambers Professor in Journalism at the University of Oregon. Contributors include Simon Rogers, Data Editor at Google; Nick Phipps, an editor at Sky News; Helena Bengtsson, Editor, Data Projects at the Guardian; Megan Lucero, Data Journalism Editor at The Times and The Sunday Times, London; and Steve Doig, Knight Chair in Journalism at the Walter Cronkite School of Journalism and Mass Communication, Arizona State University. Kathryn Corrick, independent consultant; Eva Constantaras, Internews; Andy Dickinson, University of Central Lancashire; Gavin Freeguard, Institute for Government; Adam Frost and Tobias Sturt, Graphic; Jan Goodey, Kingston University, London; Alexander B Howard, writer and editor, Washington, DC; Kathryn Hayes, University of Limerick, Ireland; Jonathan Hewett, City University London; Bella Hurrell and John Walton, BBC Visual Journalism team; Liz Hannaford, Manchester Metropolitan University; Gabriel Keeble-Gagnere, Murdoch University, Perth, Australia; Isabelle Marchand, data journalist, PRISM; Martin Moore and Gordon Neil Ramsay, Kings College London; Matteo Moretti, Free University of Bozen-Bolzano; Sanjit Oberai, Quintillion; AEndrew Rininsland, The Times and The Sunday Times, London; Zara Rahman, researcher and writer, Berlin, Germany; Emily Shackleton, digital journalist, London; Jonathan Spencer, BBC News; Nicole Smith Dahmen, University of Oregon; Jonathan Stoneman, former journalist at the BBC Word Service; and Jacqui Taylor, founder, FlyingBinary."

The Future of the Free Press in the Surveillance State Oxford University Press, USA

Understanding Journalism provides an indispensable guide through the processes and decisions required to produce quality journalism. Starting from “What is news?” and moving on to consider decisions about public interest, accuracy and reliability of sources, and ethics, this book provides a model for practice centering on developing skills in critical self-reflection. It will help answer the question of “Where to begin?” - examining the processes used by journalists to define, identify, evaluate and create journalism. Understanding Journalism offers a guide to: Finding news - exploring the nature of news and the factors influencing news judgement Choosing news - considering the power journalists exercise in selecting the issues that become news and examining the ethical implications of these decisions Gathering news - focusing on primary research - specifically interviews Constructing news - explores the processes used in deciding what to omit and what to include in the news depending on a targeted audience Working With Words - explores the role of editing in journalism and how it affects media messages Understanding Journalism will be essential reading for all students of journalism.

Data, Charts, and Maps for Communication SAGE

As technological and legal changes have hollowed out the protections that reporters and news organizations have depended upon for decades, information security concerns facing journalists as they report, produce, and disseminate the news have only intensified. From source prosecutions to physical attacks and online harassment, the last two decades have seen a dramatic increase in the risks faced by journalists at all levels even as the media industry confronts drastic cutbacks in budgets and staff. As a result, few professional or aspiring journalists have a comprehensive understanding of what is required to keep their sources, stories, colleagues, and reputations safe. This book is an essential guide to protecting news writers, sources, and organizations in the digital era. Susan E. McGregor provides a systematic understanding of the key technical, legal, and conceptual issues that anyone teaching, studying, or practicing journalism should know. Bringing together expert insights from both leading academics and security professionals who work at and with news organizations from BuzzFeed to the Associated Press, she lays out key principles and approaches for building information security into journalistic practice. McGregor draws on firsthand experience as a Wall Street Journal staffer, followed by a decade of researching, testing, and developing information security tools and practices. Filled with practical but evergreen advice that can enhance the security and efficacy of everything from daily beat reporting to long-term investigative projects, *Information Security Essentials* is a vital tool for journalists at all levels.

Info We Trust Princeton University Press

Go beyond spreadsheets and tables and design a data presentation that really makes an impact. This practical guide shows you how to use Tableau Software to convert raw data into compelling data visualizations that provide insight or allow viewers to explore the data for themselves. Ideal for analysts, engineers, marketers, journalists, and researchers, this book describes the principles of communicating data and takes you on an in-depth tour of common visualization methods. You’ll learn how to craft articulate and creative data visualizations with Tableau Desktop 8.1 and Tableau Public 8.1. Present comparisons of how much and how many Use blended data sources to create ratios and rates Create charts to depict proportions and percentages Visualize measures of mean, median, and mode Lean how to deal with variation and uncertainty Communicate multiple quantities in the same view Show how quantities and events change over time Use maps to communicate positional data Build dashboards to combine several visualizations

How Journalists Can Use Data to Improve the News Columbia University Press

Investigative Journalism is a critical and reflective introduction to the traditions and practices of investigative journalism. Beginning with a historical survey, the authors explain how investigative journalism should be understood within the framework of the mass media. They discuss how it relates to

the legal system, the place of ethics in investigations and the influence of new technologies on journalistic practices.

A History of Data Graphics in News and Communications Amsterdam University Press

The *Data Journalism Handbook: Towards a Critical Data Practice* provides a rich and panoramic introduction to data journalism, combining both critical reflection and practical insight. It offers a diverse collection of perspectives on how data journalism is done around the world and the broader consequences of datafication in the news, serving as both a textbook and a sourcebook for this emerging field. With more than 50 chapters from leading researchers and practitioners of data journalism, it explores the work needed to render technologies and data productive for journalistic purposes. It also gives a 'behind the scenes' look at the social lives of datasets, data infrastructures, and data stories in newsrooms, media organizations, startups, civil society organizations and beyond. The book includes sections on 'doing issues with data', 'assembling data', 'working with data', 'experiencing data', 'investigating data, platforms and algorithms', 'organizing data journalism', 'learning data journalism together' and 'situating data journalism'.

A Guide for Reporters, Editors, and Newsroom Leaders SAGE

A practical, skill-based introduction to data analysis and literacy We are swimming in a world of data, and this handy guide will keep you afloat while you learn to make sense of it all. In *Data Literacy: A User's Guide*, David Herzog, a journalist with a decade of experience using data analysis to transform information into captivating storytelling, introduces students and professionals to the fundamentals of data literacy, a key skill in today’s world. Assuming the reader has no advanced knowledge of data analysis or statistics, this book shows how to create insight from publicly-available data through exercises using simple Excel functions. Extensively illustrated, step-by-step instructions within a concise, yet comprehensive, reference will help readers identify, obtain, evaluate, clean, analyze and visualize data. A concluding chapter introduces more sophisticated data analysis methods and tools including database managers such as Microsoft Access and MySQL and standalone statistical programs such as SPSS, SAS and R.

Knowledge Is Beautiful CRC Press

An exploration of infographics and data visualization as a cultural phenomenon, from eighteenth-century print culture to today's data journalism. Infographics and data visualization are ubiquitous in our everyday media diet, particularly in news—in print newspapers, on television news, and online. It has been argued that infographics are changing what it means to be literate in the twenty-first century—and even that they harmonize uniquely with human cognition. In this first serious exploration of the subject, Murray Dick traces the cultural evolution of the infographic, examining its use in news—and resistance to its use—from eighteenth-century print culture to today's data journalism. He identifies six historical phases of infographics in popular culture: the proto-infographic, the classical, the improving, the commercial, the ideological, and the professional. Dick describes the emergence of infographic forms within a wider history of journalism, culture, and communications, focusing his analysis on the UK. He considers their use in the partisan British journalism of late eighteenth and early nineteenth-century print media; their later deployment as a vehicle for reform and improvement; their mass-market debut in the twentieth century as a means of explanation (and sometimes propaganda); and their use for both ideological and professional purposes in the post–World War II marketized newspaper culture. Finally, he proposes best practices for news infographics and defends infographics and data visualization against a range of criticism. Dick offers not only a history of how the public has experienced and understood the infographic, but also an account of what data visualization can tell us about the past.