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Dear Data Giorgia Lupi,Stefanie Posavec,2016-09-13 Equal parts mail art, data visualization, and affectionate correspondence, Dear Data celebrates the infinitesimal, incomplete, imperfect, yet exquisitely human details of life, in the words of Maria Popova (Brain Pickings), who introduces this charming and graphically powerful book. For one year, Giorgia Lupi, an Italian living in New York, and Stefanie Posavec, an American in London, mapped the particulars of their daily lives as a series of hand-drawn postcards they exchanged via mail weekly—small portraits as full of emotion as they are data, both mundane and magical. Dear Data reproduces in pinpoint detail the full year's set of cards, front and back, providing a remarkable portrait of two artists connected by their attention to the details of their lives—including complaints, distractions, phone addictions, physical contact, and desires. These details illuminate the lives of two remarkable young women and also inspire us to map our own lives, including specific suggestions on what data to draw and how. A captivating and unique book for designers, artists, correspondents, friends, and lovers everywhere.

Operating Systems and Infrastructure in Data Science Josef Spillner,2023-09-22 Programming, DataOps, Data Concepts, Applications, Workflows, Tools, Middleware, Collaborative Platforms, Cloud Facilities Modern data scientists work with a number of tools and operating system facilities in addition to online platforms. Mastering these in combination to manage their data and to deploy software, models and data as ready-to-use online services as well as to perform data science and analysis tasks is in the focus of Operating Systems and Infrastructure in Data Science. Readers will come to understand the fundamental concepts of operating systems and to explore plenty of tools in hands-on tasks and thus gradually develop the skills necessary to compose them for programming in the large, an essential capability in their later career. The book guides students through semester studies, acts as reference knowledge base and aids in acquiring the necessary knowledge, skills and competences especially in self-study settings. A unique feature of the book is the associated access to Edushell, a live environment to practice operating systems and infrastructure tasks.

Practical Python Data Wrangling and Data Quality Susan E. McGregor,2021-12-03 There are awesome discoveries to be made and valuable stories to be told in datasets--and this book will help you uncover them. Whether you already work with data or just want to understand its possibilities, the techniques and advice in this practical book will help you learn how to better clean, evaluate, and analyze data to generate meaningful insights and compelling visualizations. Through foundational concepts and worked examples, author Susan McGregor provides the concepts and tools you need to evaluate and analyze all kinds of data and communicate your findings effectively. This book provides a methodical, jargon-free way for practitioners of all levels to harness the power of data. Use Python 3.8+ to read, write, and transform data from a variety of sources Understand and use programming basics in Python to wrangle data at scale Organize, document, and structure your code using best practices Complete exercises either on your own machine or on the web Collect data from structured data files, web pages, and APIs Perform basic statistical analysis to make meaning from data sets Visualize and present data in clear and compelling ways.

TERI Energy & Environment Data Diary and Yearbook (TEDDY) 2017/18 TERI,2019-03-01 TERI Energy & Environment Data Diary and Yearbook (TEDDY) is an annual publication brought out by The Energy and Resources Institute (TERI) since 1986. It is the only comprehensive energy and environment yearbook in India that provides updated information on the energy supply sectors (coal and lignite, petroleum and natural gas, power, and renewable energy sources), energy demand sectors (agriculture, industry, transport, household), and local and global environment sectors (environment and climate change). The publication also provides a review of the government policies that have implications for the sectors of the Indian economy. In TEDDY, an account of India’s commercial energy balances is given, which provide comprehensive information on energy flows within different sectors of the economy and how they have been changing over time. These energy balances and conversion factors are a valuable ready reckoner for researchers, scholars, and organizations working in the energy sector. After the introductory chapters, for the ease of readers, TEDDY has been divided into sections on energy supply, energy demand, and local and global environment. Interactive graphs, figures, maps, and tables have been used throughout the chapters to explain facts, which make the book an interesting read. In addition, detailed tables at the end of each chapter represent statistical data on each of the above-mentioned sectors. The publication is accompanied by a complimentary CD containing full text. The publication has more than 15,000 readers across the globe and is often cited in international peer-reviewed journals and policy documents.

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institutions. Shelving: Energy, Environmental Sciences and Studies, Industry (Coal and lignite, oil and gas, power, renewable energy), climate change, Agriculture sector, Transport sector, domestic sector For sample chapters and Sankey diagram, please visit: www.teriin.org/projects/teddy List of Tables Energy and Environment: An Overview 1. SEC Indian industries 2. 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(coal and lignite, petroleum and natural gas, power, and renewable energy sources), energy demand sectors (agriculture, industry, transport, household, buildings), and environment (local and global). Recent changes in the energy sector and environment are depicted with the help of graphs, figures, maps, and tables. The publication also reviews government policies associated with energy and environment. TEDDY 2019/20 gives an account of India’s commercial energy balances, extensively covering energy flows within different sectors of the economy and how they have been changing over time. These energy balances and conversion factors are a valuable reference for researchers, scholars, and organizations engaged in energy and related sectors. Contents of the book are organized into three sections—Energy Supply, Energy Demand, and Local and Global Environment. Interlinkage of SDGs with energy and environment also forms the subject matter of TEDDY 2019/20. The thirty fifth edition continues to remain less prose intensive with inclusion of more data, represented with the help of infographics, thus making the publication an authentic and interesting read. Key Features: • Provides a review of government policies, programmes and initiatives that have implications for the petroleum and natural gas sector and the Indian economy • New chapters on Air Pollution, Solid Waste Management, Water Resource Management, and Land and Forest Resource Management • Exhaustive data from energy supply, energy demand, and local and global environment sectors Contents: Energy and environment: an overview Energy supply: Coal and lignite • Petroleum and natural gas • Power • Renewable energy Energy demand: Agriculture • Industry • Transport • Household energy • Buildings Local and global environment: Air quality and pollution • Solid waste management • Water resource management • Land and forest resource management • Climate change Audience: Researchers and Professionals from industries, government organizations, and public sector undertakings. Research scholars from different NGOs, bilateral and multilateral institutions, and academic institutions. Shelving: Energy, Environmental Sciences and Studies, Industry (Coal and lignite, oil and gas, power, renewable energy), climate change, Agriculture sector, Transport sector, domestic sector

TERI Energy & Environment Data Diary and Yearbook (TEDDY) 2016/17 TERI,2018-03-22 TERI Energy & Environment Data Diary and Yearbook (TEDDY) is an annual publication brought out by The Energy and Resources Institute (TERI) since 1986. It is the only comprehensive energy and environment yearbook in India that provides updated information on the energy supply sectors (coal and lignite, petroleum and natural gas, power, and renewable energy sources), energy demand sectors (agriculture, industry, transport, household), and local and global environment sectors (environment and climate change). The publication also provides a review of the government policies that have implications for the sectors of the Indian economy. In TEDDY, an account of India’s commercial energy balances is given, which provide comprehensive information on energy flows within different sectors of the economy and how they have been changing over time. These energy balances and conversion factors are a valuable ready reckoner for researchers, scholars, and organizations working in the energy sector. After the introductory chapters, for the ease of readers, TEDDY has been divided into sections on energy supply, energy demand, and local and global environment. Interactive graphs, figures, maps, and tables have been used throughout the chapters to explain facts, which make the book an interesting read. In addition, detailed tables at the end of each chapter represent statistical data on each of the above-mentioned sectors. The publication is accompanied by a complimentary CD containing full text. The publication has more than 15,000 readers across the globe and is often cited in international peer-reviewed journals and policy documents.

TERI Energy & Environment Data Diary and Yearbook (TEDDY) 2015/16 ,2016-03-15 TERI Energy & Environment Data Diary and Yearbook (TEDDY) is an annual publication brought out by The Energy and Resources Institute (TERI) since 1986. It is the only comprehensive energy and environment yearbook in India which provides updated information on the energy supply sectors (coal and lignite, petroleum and natural gas, power, and renewable energy sources), energy demand sectors (agriculture, industry, transport, residential, and commercial sectors), and environment (local and global). The publication also provides a review of the government policies that have implications for these sectors of the Indian economy. Each edition of TEDDY contains India's commercial energy balances for the last four years that provide comprehensive information on energy flows within different sectors of the economy and how they have been changing over time. These energy balances and conversion factors are a valuable ready reckoner for researchers, scholars, and organizations working on energy and related sectors. After the introductory chapters, for the ease of readers, TEDDY has been divided into sections on energy supply, energy demand, and local and global environment. The thirtieth edition of the publication, TEDDY 2015/16, comes with several interesting features. The Green Focus at the end of each chapter highlights sustainable initiatives and successful practices, which are of current interest in the sectors discussed under the sections on energy supply, energy demand, and local and global environment. The publication also features a section that discusses sustainable development goals and air pollution and health. Interactive graphs, figures, maps, and tables have been used throughout the chapters to explain facts, which make the book an interesting read. In addition, detailed tables at the end of each chapter represent statistical data on each of the above-mentioned sectors. The publication is accompanied by a complimentary CD containing full text. The publication has more than 15,000 readers across the globe and is often cited in international peer reviewed journals and policy documents. Key Features: · Exhaustive compilation of data from energy supply and demand sectors · Recent data along with data for the past years presented in the form of structured and easy to understand tables · Recent advances made in the energy sectors are covered in the book · Self-explanatory figures and graphs showing the latest trends in various sectors are also part of chapters · The □Green focus□ section in every chapter highlights a topical issue · The book comes with a complimentary CD that contains all the chapters and additional tables Contents: Energy and environment: an overview, Commercial energy balance tables and conversion factors □ Energy supply: Coal and lignite, Petroleum and natural gas, Power, Renewable energy sources and technologies □ Energy demand: Agriculture, Industry, Transport, Household energy □ Local and global environment: Environment, Climate change □ Energy and environment goals: Sustainable development goals and implications for India, Air pollution and health

Big Data for Qualitative Research Kathy A. Mills,2019-03-14 Big Data for Qualitative Research covers everything small data researchers need to know about big data, from the potentials of big data analytics to its methodological and ethical challenges. The data that we generate in everyday life is now digitally mediated, stored, and analyzed by web sites, companies, institutions, and governments. Big data is large volume, rapidly generated, digitally encoded information that is often related to other networked data, and can provide valuable evidence for study of phenomena. This book explores the potentials of qualitative methods and analysis for big data, including text mining, sentiment analysis, information and data visualization, netnography, follow-the-thing methods, mobile research methods, multimodal analysis,

and rhythmanalysis. It debates new concerns about ethics, privacy, and dataveillance for big data qualitative researchers. This book is essential reading for those who do qualitative and mixed methods research, and are curious, excited, or even skeptical about big data and what it means for future research. Now is the time for researchers to understand, debate, and envisage the new possibilities and challenges of the rapidly developing and dynamic field of big data from the vantage point of the qualitative researcher.

TERI Energy & Environment Data Diary and Yearbook (TEDDY) 2018/19 TERI,2020-11-11 TERI Energy & Environment Data Diary and Yearbook (TEDDY) is an annual publication brought out by TERI since 1986. It is the only comprehensive energy and environment yearbook in India that provides updated information on the energy supply sectors (coal and lignite, petroleum and natural gas, power, and renewable energy sources), energy demand sectors (agriculture, industry, transport, household, buildings), and environment (local and global). Additionally, the publication reviews government policies and analyses latest policy discourses that have implications on India's energy and environment sector. TEDDY 2018/19 gives an account of India's commercial energy balances, extensively covering energy flows within different sectors of the economy and how they have been changing over time. These energy balances and conversion factors are a valuable reference for researchers, scholars, and organizations engaged in energy and related sectors. After the introductory chapter, TEDDY 2018/19 is divided into three sections—Energy Supply, Energy Demand, and Local and Global Environment. One of the main highlights of TEDDY 2018/19 is the addition of a new chapter—Buildings—under Energy Demand section. This chapter gives an in-depth analysis of India's energy consumption by the buildings sector, and highlights the role of energy efficiency in buildings from the perspectives of both economy and environment. The thirty-fourth edition of TEDDY continues to remain less prose intensive with inclusion of more data, represented with the help of infographics, thus making the publication an authentic and interesting read. TEDDY 2018/19 also features a section on interlinkages of SDGs with energy and environment. Key Features: • Provides a review of government policies, programmes and initiatives that have implications for the petroleum and natural gas sector and the Indian economy • New chapters on Air Pollution, Solid Waste Management, Water Resource Management, and Land and Forest Resource Management • Exhaustive data from energy supply, energy demand, and local and global environment sectors Contents: Energy and environment: an overview Energy supply: Coal and lignite • Petroleum and natural gas • Power • Renewable energy Energy demand: Agriculture • Industry • Transport • Household energy • Buildings Local and global environment: Air quality and pollution • Solid waste management • Water resource management • Land and forest resource management • Climate change

TERI Energy & Environment Data Diary and Yearbook (TEDDY) 2021/22 A TERI Publication, TERI Energy & Environment Data Diary and Yearbook (TEDDY) is an annual publication brought out by TERI since 1986. It is the only comprehensive energy and environment yearbook in India that provides updated information on the energy supply sectors (coal and lignite, petroleum and natural gas, power, and renewable energy sources), energy demand sectors (agriculture, industry, transport, household, buildings), and environment (local and global). Recent changes in the energy sector and environment are depicted with the help of graphs, figures, maps, and tables. The publication also reviews government policies associated with energy and environment. TEDDY 2021/22 gives an account of India's commercial energy balances, extensively covering energy flows within different sectors of the economy and how they have been changing over time. These energy balances and conversion factors are a valuable reference for researchers, scholars, and organizations engaged in energy and related sectors. Contents of the book are organized into three sections—Energy Supply, Energy Demand, and Local and Global Environment. Interlinkage of SDGs with energy and environment also forms the subject matter of TEDDY 2021/22. The thirty seventh edition continues to remain less prose intensive with inclusion of more data, represented with the help of infographics, thus making the publication an authentic and interesting read. Key Features: - Provides a review of government policies, programmes, and initiatives that have implications for energy sector and the Indian economy - The analyses are based on the exhaustive data, sourced from energy supply, energy demand, and local and global environment sectors - Traces the trend exhibited by energy generation and consumption and its association with the environment Contents: Energy and environment: an overview Energy supply: Coal and lignite • Petroleum and natural gas • Power • Renewable energy Energy demand: Agriculture • Industry • Transport • Household energy • Buildings Local and global environment: Air • Solid waste management • Water resource management • Land and forest resource management • Climate change Audience: Researchers and Professionals from industries, government organizations, and public sector undertakings. Research scholars from different NGOs, bilateral and multilateral institutions, and academic institutions. Shelving: Energy, Environmental Sciences and Studies, Industry (Coal and lignite, oil and gas, power, renewable energy), climate change, Agriculture sector, Transport sector, domestic sector For sample chapters and Sankey diagram, please visit: www.teriin.org/projects/teddy List of Tables Coal and Lignite 1 New environmental norms for TPSs 2 FGD implementation status of TPSs—general summary (capacity in MW) 3 FGD implementation status of TPSs situated in NCR (capacity in MW) · Pithead run of mine price of non-coking coal applicable for Eastern Coalfields Limited, Bharat Coking Coal Limited, Central Coalfields Limited, Northern Coalfields Limited, Mahanadi Coalfields Limited, South Eastern Coalfields Limited, and North Eastern Coalfields Limited, with effect from 27 November 2020 · Revised price of coking coal for NRS · Pit head price of non-coking coal applicable for Western Coalfields Limited, with effect from 27 November 2020 Petroleum and Natural Gas 1 Hydrocarbon reserve status (as on 1 April 2021) 2 Trend in installed refining capacity of Indian refineries (in MTPA) 3 Trend in subsidies for the sale of petroleum and natural gas in India 4 List of taxes for the production and sale of crude oil in India 5 List of taxes for the production and sale of natural gas in India 6 Retail selling price and taxes on petrol and diesel in India and other countries in 2019/20 7 Phasing of minimum work programme 8 Trend in CNG stations, CNG vehicles, and CNG sales in India 9 Allocation for MoPNG under the budget estimate for 2021/22 · City gas distribution bidding parameters · Year-wise work programme for successful CGD bidders · Major crude oil and product pipeline network (as on 1 April 2022) · Existing major LPG and petroleum products' pipelines in India (as on 31 March 2021) · Status of existing natural gas pipeline infrastructure · Price build-up of subsidised domestic LPG in Delhi as on 1 April 2022 · Price build-up of PDS SKO in Mumbai as on 1 April 2022 · Price buildup of MS (petrol) in Delhi as on 1 April 2022 · Price buildup of HSD in Delhi as on 1 April 2022 · Present status of CGD infrastructure in India Power 1 Sector-wise fuel-wise break-up of achieved capacity addition (in MW) 2 Addition in transmission lines and transformation capacity 3 Plan-wise growth of transmission lines (220 kV and above) 4 Import/export of energy by India from/to neighbouring countries (in MU) 5 Status of eight states as on 31 March 2021 6 Comparison of length of lines operating at various voltages as on 31 March 2021 7 Achievements in infrastructure under electrification schemes by

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The Data Storytelling Workbook Anna Feigenbaum,Aria Alamalhodaei,2020-03-10 From tracking down information to symbolising human experiences, this book is your guide to telling more effective, empathetic and evidence-based data stories. Drawing on cross-disciplinary research and first-hand accounts of projects ranging from public health to housing justice, The Data Storytelling Workbook introduces key concepts, challenges and problem-solving strategies in the emerging field of data storytelling. Filled with practical exercises and activities, the workbook offers interactive training materials that can be used for teaching and professional development. By approaching both ‘data’ and ‘storytelling’ in a broad sense, the book combines theory and practice around real-world data storytelling scenarios, offering critical reflection alongside practical and creative solutions to challenges in the data storytelling process, from tracking down hard to find information, to the ethics of visualising difficult subjects like death and human rights.

TERI Energy and Environment Data Diary and Yearbook (TEDDY) 2014/15 The Energy & Resources Institute (TERI),2015-03-30 TERI Energy and Environment Data Diary and Yearbook (TEDDY) is an annual publication brought out by The Energy and Resources Institute (TERI) since 1986. It is the only comprehensive energy and environment yearbook in India which provides updated information on the energy supply sectors (coal and lignite, petroleum and natural gas, power, and renewable energy sources), energy demand sectors (agriculture, industry, transport, residential, and commercial sectors), and environment (local and global). It also provides a review of the government policies that have implications on energy and environment in India.Each edition of TEDDY contains India's commercial energy balances for the last four years that provide comprehensive information on energy flows within different sectors of the economy and how they have been changing over time. These energy balances and conversion factors are a valuable reference for researchers, scholars, and organizations working on energy and related sectors. After the introductory chapters, TEDDY has been divided into sections on energy supply, energy demand, and local and global environment. The twenty-ninth edition of the publication, TEDDY 2014/15, comes with several interesting features. The Green Focus at the end of each chapter highlights sustainable initiatives and successful practices. The publication also features a section with a discussion around sustainable development goals and tracking framework for sustainable energy goals at global, national, and sub-national levels. Graphs, maps, and tables have been used in all chapters to explain facts, which make the book an interesting read. In addition, detailed tables at the end of each chapter represent statistical data on energy and environment. The publication is accompanied by a complimentary CD containing full text. The publication is cited in international peer-reviewed journals and policy documents.

Data + Journalism Mike Reilley,Samantha Sunne,2022-12-30 Taking a hands-on and holistic approach to data, Data + Journalism provides a complete guide to reporting data-driven stories. This book offers insights into data journalism from a global perspective, including datasets and interviews with data journalists from countries around the world. Emphasized by examples drawn from frequently updated sets of open data posted by authoritative sources like the FBI, Eurostat and the US Census Bureau, the authors take a deep dive into data journalism’s heavy lifting – searching for, scraping and cleaning data. Combined with exercises, video training supplements and lists of tools and resources at the end of each chapter, readers will learn not just how to crunch numbers but also how to put a human face to data,

resulting in compelling, story-driven news stories based on solid analysis. Written by two experienced journalists and data journalism teachers, Data + Journalism is essential reading for students, instructors and early career professionals seeking a comprehensive introduction to data journalism skills.

TERI Energy & Environment Data Diary and Yearbook (TEDDY) 2022/23 ,2024-01-20 TERI Energy & Environment Data Diary and Yearbook (TEDDY) is an annual publication brought out by TERI since 1986. It is the only comprehensive energy and environment yearbook in India that provides updated information on the energy supply sectors (coal and lignite, petroleum and natural gas, power, and renewable energy sources), energy demand sectors (agriculture, industry, transport, household, buildings), and environment (local and global). Recent changes in the energy sector and environment are depicted with the help of graphs, figures, maps, and tables. The publication also reviews government policies associated with energy and environment. TEDDY 2022/23 gives an account of India's commercial energy balances, extensively covering energy flows within different sectors of the economy and how they have been changing over time. These energy balances and conversion factors are a valuable reference for researchers, scholars, and organizations engaged in energy and related sectors. Contents of the book are organized into three sections—Energy Supply, Energy Demand, and Local and Global Environment. Interlinkage of SDGs with energy and environment also forms the subject matter of TEDDY 2022/23. The thirty-eighth edition continues to remain less prose intensive with inclusion of more data, represented with the help of infographics, thus making the publication an authentic and interesting read. Key Features: - Provides government policies, programmes, and initiatives in the energy and environment sectors - The analyses given in the publication are based on the exhaustive data, sourced from energy supply, energy demand, and local and global environment sectors - Traces the trend exhibited by energy generation and consumption and its association with the environment Contents: Energy and environment: an overview Energy supply: Coal and lignite • Petroleum and natural gas • Power • Renewable energy Energy demand: Agriculture • Industry • Transport • Household energy • Buildings Local and global environment: Air Quality and Pollution • Solid waste management • Water resource management • Land and forest resource management • Climate change

Data Visualization Handbook Juuso Koponen,Jonatan Hildén,2019-04-01 The data visualization handbook is a practical guide to creating compelling graphics to explain or explore data. It is primarily aimed for designers, journalists, researchers, analysts, and other professionals who want to learn the basics of visualization, but also includes plenty of material for people with intermediate level visualization skills.

Managing and Sharing Research Data Louise Corti,Veerle Van den Eynden,Libby Bishop,Matthew Woollard,2014-02-04 Research funders in the UK, USA and across Europe are implementing data management and sharing policies to maximize openness of data, transparency and accountability of the research they support. Written by experts from the UK Data Archive with over 20 years experience, this book gives post-graduate students, researchers and research support staff the data management skills required in today's changing research environment. The book features guidance on: how to plan your research using a data management checklist how to format and organize data how to store and transfer data research ethics and privacy in data sharing and intellectual property rights data strategies for collaborative research how to publish and cite data how to make use of other people's research data, illustrated with six real-life case studies of data use.

BLS Data Files on Tape United States. Bureau of Labor Statistics,1994

Clinical Data Management Richard K. Rondel,Sheila A. Varley,Colin F. Webb,2000-02-03 Extensively revised and updated, with the addition of new chapters and authors, this long-awaited second edition covers all aspects of clinical data management. Giving details of the efficient clinical data management procedures required to satisfy both corporate objectives and quality audits by regulatory authorities, this text is timely and an important contribution to the literature. The volume: * is written by well-known and experienced authors in this area * provides new approaches to major topics in clinical data management * contains new chapters on systems software validation, database design and performance measures. It will be invaluable to anyone in the field within the pharmaceutical industry, and to all biomedical professionals working in clinical research.

Alpha Beta Zero to Zillion Word Codes for Numbers Dr Godwin Lekwuwa,2015-12-28 The ABZZ word code system is a method that can be used to convert any given number to word code equivalents. With this method, any given number from zero to zillion can be converted to word codes. The principles of this method are explained in this book. This book also contains a thesaurus that gives two examples of easily derivable and meaningful word code equivalents of every number from 0 to 9,999. It is a forerunner to a proposed online thesaurus that would list word code alternatives of every number from zero to one billion (0—1,000,000,000). For centuries, people have been attracted to the idea of converting numbers to words. One of the major advantages of this is that people would be able to find meaningful word names for phone numbers, passwords, pin numbers, log-in numbers, access codes, etc. Other advantages include the ability to generate prospective number codes based on any words of your choice. Numerous other advantages and uses are elaborated in this book. Word code systems for numbers devised over the centuries have been cumbersome and difficult to use. This has limited their use in everyday life. The ABZZ word code system introduces a new, simpler, and user-friendly system of converting any given numbers to words and vice versa. The principles of the system can be mastered in a few minutes. Regular usage would engrain it as one of our basic thinking processes. The ABZZ is an idea whose time has come.

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