Interpreting Official Statistics

Official Statistics 4.0 󠀠󠀠󠀠󠀠󠀠 *Empowering Society by Reusing Privately-held Data for Official Statistics A Study of Quality Management of Official Statistics in China Zambian Official Statistics* **Interpreting Official Statistics** GIS and the 2020 Census Present and Future Tasks of Official Statistics **Harnessing Official Statistics** Occupational Outlook Handbook *Interpreting Official Statistics* **Guide to Current Official Statistics Providing official Statistics for the Common Market and Monetary Union in the Gulf Cooperation Council (GCC) Countries Research in Official Statistics The Use of Official Statistics in Sociology** *Big data and official statistics* **Guide to Official Statistics** *Innovations in Federal Statistics* **Sources of Non-Official UK Statistics** *Monographs of Official Statistics* **Public Trust in Government Statistics** Guide to Sharing Economic Data in Official Statistics **Official Criminal Statistics - Positive and Negative Aspects Studies in Official Statistics** *European Databanks British Incomes and Property Official Statistics: Sources of Data and Major Gaps* **Official Statistics** Empirical Studies with New German Firm Level Data from Official Statistics **Total Survey Error in Practice The Census Office and Coordination of Statistics Democratizing Our Data** A Career in Statistics **Catalogue of Official Statistical Publications (publications Issued by Canberra Office, 1901 to 1984). Big Data Meets Survey Science How Little Unemployment?** The Use of Official Statistics in Sociology Using Official Statistics to Calculate Greenhouse Gas Emissions **General Sources of Statistics Learning RStudio for R Statistical Computing**

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European Databanks Oct 09 2020
Studies in Official Statistics Nov 09 2020
Providing official Statistics for the Common Market and Monetary Union in the Gulf Cooperation Council (GCC) Countries Oct 21 2021 The six member states of the Gulf Cooperation Council (GCC)-Bahrain, Kuwait, Oman, Qatar, Saudi Arabia, and United Arab Emirates (UAE)-have laid out a path to a common market by 2007 and monetary

union by 2010, based on economic convergence. To monitor convergence and support economic and monetary policy, comparable economic data for member countries and data for the region as a whole will be essential. What is the most efficient way to produce these data? The authors survey the statistical institutions in the GCC countries and present the case for creating "Gulfstat"-a regional statistical agency to operate within a "Gulf States System of Statistics." Valuable lessons can be learned from regional statistical organization in Africa and the

European Union-Afristat and Eurostat.

A Study of Quality Management of Official Statistics in China Jul 30 2022 This book focuses on how to improve the quality management of official statistics in China. Official statistics help to build an overview of China's social and economic development and play an important role in policymaking for government as well as in decision-making for enterprises. Because of the great value in reference, the quality of official statistics also constitutes the concern from the public. This book summarizes three levels for understanding the concept of the quality of official statistics and analyzes possible affections from social and economic environment, political and management perspectives. Government statistical data is an important information reflecting China's economic and social development, an important tool for Party committees at all levels, governments, enterprises and the public to understand and grasp China's economic operation and social development, an important basis for Party committees and governments at all levels to conduct economic and social management and decision-making and an important reference for enterprises and the public to make decisions on production, operation, investment and consumption. Therefore, the government, enterprises and the public at all levels are demanding more and more government statistics. Accordingly, the quality of government statistical data is becoming more and more important, because it concerns the objectivity and accuracy of government statistical data, the scientificity of economic and social management, the decision-making of Party committees, the correctness of production, operation, investment and consumption decisions of enterprises and the public. Therefore, the quality of government statistical data is extremely important, which is not only the focus of social concern, but also the core issue of government statistics.

Total Survey Error in Practice May 04 2020 Featuring a timely presentation of total survey error (TSE), this edited volume introduces valuable tools for understanding and improving survey data quality in the context of evolving large-scale data sets This book provides an overview of the TSE framework and current TSE research as related to survey design, data collection, estimation, and analysis. It recognizes that survey data affects many public policy and business decisions and thus focuses on the framework for understanding and improving survey data quality. The book also addresses issues with data quality in official statistics and in social, opinion, and market research as these fields continue to evolve, leading to larger and messier data sets. This perspective challenges survey organizations to find ways to collect and process data more efficiently without sacrificing quality. The volume consists of the most up-to-date research and reporting from over 70 contributors representing the best academics and researchers from a range of fields. The chapters are broken out into five main sections: The Concept of TSE and the TSE Paradigm, Implications for Survey Design, Data Collection and Data Processing Applications, Evaluation and Improvement, and Estimation and Analysis. Each chapter introduces and examines multiple error sources, such as sampling error, measurement error, and nonresponse error, which often offer the greatest risks to data quality, while also encouraging readers not to lose sight of the less commonly studied error sources, such as coverage error, processing error, and specification error. The book also notes the relationships between errors and the ways in which efforts to reduce one type can increase another, resulting in an estimate with larger total error. This book: • Features various error sources, and the complex relationships between them, in 25 high-quality chapters on the most up-to-date research in the field of TSE • Provides comprehensive reviews of the literature on error sources as well as data collection approaches and estimation methods to reduce their effects • Presents examples of recent international events that demonstrate the effects of data error, the importance of survey data quality, and the real-world issues that arise from these errors • Spans the four pillars of the total survey error paradigm (design, data collection, evaluation and analysis) to address key data quality issues in official statistics and survey research Total Survey Error in Practice is a reference for survey researchers and data scientists in research areas that include social science, public opinion, public policy, and business. It can also be used as a textbook or

supplementary material for a graduate-level course in survey research methods.

Research in Official Statistics Sep 19 2021
Interpreting Official Statistics May 28 2022 Interpreting Official Statistics examines the official statistics produced about the current state of British society. It documents some of the ways in which information has been suppressed, manipulated and misinterpreted since 1979. This invaluable guide is designed to help students know what figures are available, and to discover when and how politicians are misusing statistics. Data sets covered include: * Households below average income * Administrative and survey methods of unemployment and crime * Population census data on ethnicity * Data sources on women and work * Data on the relationship between class and health, and safety at work * New data sources on disability * Labour Force Survey.

The Use of Official Statistics in Sociology Sep 27 2019
Democratizing Our Data Mar 02 2020 A wake-up call for America to create a new framework for democratizing data. Public data are foundational to our democratic system. People need consistently high-quality information from trustworthy sources. In the new economy, wealth is generated by access to data; government's job is to democratize the data playing field. Yet data produced by the American government are getting worse and costing more. In Democratizing Our Data, Julia Lane argues that good data are essential for democracy. Her book is a wake-up call to America to fix its broken public data system.

Official Statistics: Sources of Data and Major Gaps Aug 07 2020
A Career in Statistics Jan 30 2020 A valuable guide to a successful career as a statistician A Career in Statistics: Beyond the Numbers prepares readers for careers in statistics by emphasizing essential concepts and practices beyond the technical tools provided in standard courses and texts. This insider's guide from internationally recognized applied statisticians helps readers decide whether a career in statistics is right for them, provides hands-on guidance on how to prepare for such a career, and shows how to succeed on the job. The book provides non-

technical guidance for a successful career. The authors' extensive industrial experience is supplemented by insights from contributing authors from government and academia, Carol Joyce Blumberg, Leonard M. Gaines, Lynne B. Hare, William Q. Meeker, and Josef Schmee. Following an introductory chapter that provides an overview of the field, the authors discuss the various dimensions of a career in applied statistics in three succinct parts: The Work of a Statistician describes the day-to-day activities of applied statisticians in business and industry, official government, and various other application areas, highlighting the work environment and major on-the-job challenges Preparing for a Successful Career in Statistics describes the personal traits that characterize successful statisticians, the education that they need to acquire, and approaches for securing the right job Building a Successful Career as a Statistician offers practical guidance for addressing key challenges that statisticians face on the job, such as project initiation and execution, effective communication, publicizing successes, ethical considerations, and gathering good data; alternative career paths are also described The book concludes with an in-depth examination of careers for statisticians in academia as well as tips to help them stay on top of their field throughout their careers. Each chapter includes thought-provoking discussion questions and a Major Takeaways section that outlines key concepts. Real-world examples illustrate key points, and an FTP site provides additional information on selected topics. A Career in Statistics is an invaluable guide for individuals who are considering or have decided on a career in statistics as well as for statisticians already on the job who want to accelerate their path to success. It also serves as a suitable book for courses on statistical consulting, statistical practice, and statistics in the workplace at the undergraduate and graduate levels.

Present and Future Tasks of Official Statistics Mar 26 2022
Empowering Society by Reusing Privately-held Data for Official Statistics Aug 31 2022 Official statistics are statistics provided by national and international statistical bodies as a public good, to everybody and for free. They are objective and impartial and comply with internationally agreed quality standards. They aim at providing high-quality information

for policymakers and the citizens. Official statistics are essential for effective decision-making over a wide range of areas, from economic development to environmental measures, from social policies to emergency response and from public health to public services. They support informed decision-making and the general knowledge of wider society, evidence-based public debate and a democratic process that allows all stakeholders to participate on an equal footing. And they are essential for businesses' day-to-day operations and investment decisions. In short, official statistics are indispensable to well-functioning economies and democracies. Recent crises - from the financial crisis to the COVID-19 pandemic, and now the war in Ukraine - have shown that there is no room for complacency. In our rapidly changing and increasingly data-driven society, there is a growing demand for better, more up-to-date and more detailed statistics. Providers of official statistics must therefore innovate and equip open societies with the tools they need to respond to an increasingly uncertain environment and the many associated challenges and opportunities. For instance, serious data gaps emerged during the 2008-2009 financial crisis and the COVID-19 pandemic. NextGenerationEU, the European Green Deal and other flagship EU policy programmes involve ambitious changes such as the green transition, the digital revolution and environmental challenges. Radical advances must be made in data supply and use, together with major investment in data production, data quality and metadata. The widening gap between what is expected from official statistics and what is currently delivered in practice requires vision, energy and urgent action. The world of official statistics is therefore undergoing profound transformation at national, EU and global level. The EU is playing a leading role in this context. It is a global leader in the promotion of personal data protection standards. It has undertaken a wide range of measures to upgrade its technological infrastructure. It has set ambitious, evidence-based and data-driven goals and targets in the areas of climate change and sustainable development, economic growth and stability, employment and social inclusion, and energy, food and health security. The European strategy for data has already produced a number of legislative acts including the Open Data Directive, the Data Governance Act, the Digital Markets Act and the Digital Services Act. These will soon be joined by other legislation such as the Data Act. The challenges and opportunities considered in this report lie at the core of the EU's approach for developing official statistics. Statistics are still in practice largely based on data collected by surveys and administrative records rather than on the wealth of data which is held by private businesses and civil society organisations and which is powering the digital economy. The current data revolution provides unprecedented opportunities to collect, analyse and make use of new sources of data that can empower our economies and societies, improve decision-making and bring benefits for all members of society.

Zambian Official Statistics Jun 28 2022

Catalogue of Official Statistical Publications (publications Issued by Canberra Office, 1901 to 1984). Dec 31 2019

Big data and official statistics Jul 18 2021 Big Data has strongly influenced official statistics, representing a significant innovation that offers a range of opportunities, challenges and risks for the work of national statistical institutions. The fields of application are wide and important. From these data emerge decisive behavioral aspects for companies, according to many strategic directions. The analysis of data at the government and institutional level is a fundamental enabling factor of the smart city paradigm, which is based on a system of interconnected and monitored services with an IoT logic. Furthermore, Big Data are fundamental in the diagnostic and forecasting processes of disease risk. This book aims to lay the essential and train the professional figure of the data scientist, starting from the most basic elements of statistics, a fundamental subject for the explanation of phenomena, up to the explanation and use of complex software such as Python.

Empirical Studies with New German Firm Level Data from Official Statistics Jun 04 2020 Since 2001 the Statistical Offices in Germany offer access to micro level panel data that linked information from various waves of a survey over time. These panel data enormously extended the

research potential of data from official statistics by allowing dynamic analyses and control for unobserved heterogeneity via panel econometric methods. A second generation of data sets which became available recently has an even higher research potential. These new data combine information for firms gathered in different surveys (or from external sources) that could not be analyzed jointly before. Merging firm level data from different surveys to construct data sets that cover information on a wider range of variables than the ones collected in any of these surveys, one at a time, is the basic idea of the project AFiD. AFiD is an acronym for the German Amtliche Firmendaten fr Deutschland (official firm data for Germany). The papers in this issue present first results generated with this new type of firm level data and discussions.

General Sources of Statistics Jul 26 2019

Official Criminal Statistics - Positive and Negative Aspects Dec 11 2020 Seminar paper from the year 2010 in the subject Sociology - Law, Delinquency, Abnormal Behavior, grade: 1,7, Carl von Ossietzky University of Oldenburg, language: English, abstract: Statistics are one of the basic instruments on which our society relies. They are for instance used to detect trends or to develop theories on specific topics, or in order to get public-relevant information about the current situation in specific countries. Apart from that, also governments use statistics so as to make certain decisions or to develop long-term strategies on particular issues. Everything is at least in a small way affected by statistical data and their subsequent conclusions. In order to support the importance of official statistics, the Federal Constitutional Court of Germany stated in its decision on the census of population that official statistics are an indispensable basis for a welfare state. All this also applies to the official criminal statistics. Governments, for example, use them to improve the performance of their own criminal justice system to achieve a safer environment for their citizens . The public is interested in the data to find out about the crime risks in their neighborhood and how the authorities are dealing with it. Criminal statistics are frequently used by politicians or in the mass media to substantiate an allegation without challenging the data. By doing this, it is assumed that the statistics are infallible and present a full image of the extent of crime This point, however, has to be critically judged, since official statistics seem to be "both partial and subjectively constructed" . In this paper, I will outline the positive and negative aspects of official criminal statistics. Moreover, I will discuss, if they have the ability to represent the full extent of crime or not.

Interpreting Official Statistics Dec 23 2021 'Interpreting official statistics' is an important guide to the uses and abuses of official statistics. It documents some of the ways in which statistical information has been suppressed, manipulated and misinterpreted since 1979 and looks at what can actually be learned from available data about poverty, unemployment, crime and health, and the social divisions of class, gender, ethnicity and disability. The book provides a detailed analysis of key data sets such as households below average income, administrative and survey measures of unemployment and crime, population consensus data on ethnicity, different sources of data on women and work, the relationship between class and health, safety at work and new data sources on disability. Also included is a critique of official definitions of social class and a chapter on the effects of the 1980 Rayner review on the statistical debates about appropriate institutional guarantees of statistical integrity. This essential guide will help students of social science understand the importance of the way statistics are collected and compiled to the proper interpretation of figures.

Sources of Non-Official UK Statistics Apr 14 2021 First Published in 2017. Routledge is an imprint of Taylor & Francis, an Informa company.

Public Trust in Government Statistics Feb 10 2021 In this report the Public Administration Select Committee (PASC) concludes that, despite the positive steps implemented by the Statistics and Registration Service Act 2007 (the Act), there remain issues and concerns about the way government statistics are produced and disseminated which remain a genuine risk to public confidence in the statistical system and must be addressed. The Act was intended to ensure that statistics are produced to the highest professional standards and that effective governance structures are in place to protect transparency and accountability and

the Committee found the Act had helped to improve the operation of the statistical system. However, the Act needs to have greater clarity and transparency in the way it operates and in the functioning of the UK Statistics Authority (the Statistics Authority). Those who regulate the quality of National Statistics are in the same organisation as those officials who produce data: the two groups should have a clear separation in practice, but this is hard to demonstrate when they work in the same building and share support services. It is also not appropriate that ministers should have lengthy prior access to certain statistics but other interested parties do not. The Statistics Authority does not seem to have sufficient control over the quality and integrity of the different data sets and statistical products produced by departments and their agencies. Planning and improving data access both within Government and for users outside Government should be given greater attention by the Statistics Authority, as well as by Government departments.

GIS and the 2020 Census Apr 26 2022 Census workers need to capture and analyze information at the finest geographic level with mobile and geospatial-based technology. GIS and the 2020 Census: Modernizing Official Statistics provides statistical organizations with the most recent GIS methodologies and technological tools to support census workers' needs at all the stages of a census. Learn how to plan and carry out census work with GIS using new technologies for field data collection and operations management. After planning and collecting data, apply innovative solutions for performing statistical analysis, data integration and dissemination. Additional topics cover cloud computing, big data, Location as a Service (LaaS), and emerging data sources. While GIS and the 2020 Census focuses on using GIS and other geospatial technology in support of census planning and operations, it also offers guidelines for building a statistical-geospatial information infrastructure in support of the 2020 Round of Censuses, evidence-based decision making, and sustainable development. Case studies illustrate concepts in practice.

The Census Office and Coordination of Statistics Apr 02 2020
Guide to Current Official Statistics Nov 21 2021
Guide to Sharing Economic Data in Official Statistics Jan 12 2021 This guide aims at making data sharing for production of official statistics more consistent by introducing new tools, such as: Rich examples to share experience from various different types of data sharing cases; An analysis of enablers and obstacles of data exchange with links to resources to overcome barriers; Instructions and experience from LCUs and their role in data sharing; Communication materials for respondent relationship management with MNEs; Legal and procedural recommendations and a template of Memorandum of Understanding (MOU) for data sharing; Information on useful IT tools for data sharing; Process guidance for taking steps towards data sharing; and Recommendations on next actions for countries and international organizations.

Official Statistics Jul 06 2020
Learning RStudio for R Statistical Computing Jun 24 2019 A practical tutorial covering how to leverage RStudio functionality to effectively perform R Development, analysis, and reporting with RStudio. The book is aimed at R developers and analysts who wish to do R statistical development while taking advantage of RStudio functionality to ease their development efforts. Familiarity with R is assumed. Those who want to get started with R development using RStudio will also find the book useful. Even if you already use R but want to create reproducible statistical analysis projects or extend R with self-written packages, this book shows how to quickly achieve this using RStudio.

Big Data Meets Survey Science Nov 29 2019 Offers a clear view of the utility and place for survey data within the broader Big Data ecosystem This book presents a collection of snapshots from two sides of the Big Data perspective. It assembles an array of tangible tools, methods, and approaches that illustrate how Big Data sources and methods are being used in the survey and social sciences to improve official statistics and estimates for human populations. It also provides examples of how survey data are being used to evaluate and improve the quality of insights derived from Big Data. Big Data Meets Survey Science: A Collection of Innovative Methods shows how survey data and Big Data are used together for the benefit of one or more sources of data, with

numerous chapters providing consistent illustrations and examples of survey data enriching the evaluation of Big Data sources. Examples of how machine learning, data mining, and other data science techniques are inserted into virtually every stage of the survey lifecycle are presented. Topics covered include: Total Error Frameworks for Found Data; Performance and Sensitivities of Home Detection on Mobile Phone Data; Assessing Community Wellbeing Using Google Street View and Satellite Imagery; Using Surveys to Build and Assess RBS Religious Flag; and more. Presents groundbreaking survey methods being utilized today in the field of Big Data Explores how machine learning methods can be applied to the design, collection, and analysis of social science data Filled with examples and illustrations that show how survey data benefits Big Data evaluation Covers methods and applications used in combining Big Data with survey statistics Examines regulations as well as ethical and privacy issues Big Data Meets Survey Science: A Collection of Innovative Methods is an excellent book for both the survey and social science communities as they learn to capitalize on this new revolution. It will also appeal to the broader data and computer science communities looking for new areas of application for emerging methods and data sources.

Innovations in Federal Statistics May 16 2021 Federal government statistics provide critical information to the country and serve a key role in a democracy. For decades, sample surveys with instruments carefully designed for particular data needs have been one of the primary methods for collecting data for federal statistics. However, the costs of conducting such surveys have been increasing while response rates have been declining, and many surveys are not able to fulfill growing demands for more timely information and for more detailed information at state and local levels. Innovations in Federal Statistics examines the opportunities and risks of using government administrative and private sector data sources to foster a paradigm shift in federal statistical programs that would combine diverse data sources in a secure manner to enhance federal statistics. This first publication of a two-part series discusses the challenges faced by the federal statistical system and the foundational elements needed for a new paradigm.

Monographs of Official Statistics Mar 14 2021
British Incomes and Property Sep 07 2020 Excerpt from British Incomes and Property: The Application of Official Statistics to Economic Problems The greater part of this work was completed before the war began. In so far as it is a contribution to economic history, it might well have awaited a more auspicious time for publication; but there is sufficient justification for its appearance now in the fact that the war itself is raising, and will continue to raise, questions relating to national income, property, and wealth, as well as to the distribution of incomes, in which the official statistics play a more or less important part. Any assistance which this book may afford to those who wish to use and interpret these statistics in economic, statistical, or political investigations is accordingly offered without further delay, although leisure has been wanting for elaboration of some of the applications in Part II. on the lines originally planned. The war marks, as definitely as the close of the Napoleonic era, the completion of one economic epoch and the beginning of another, so that a summary of the official record of the past century can hardly be regarded as inopportune at this turning point in our national history. I should not like to miss the opportunity of expressing to Dr. Bowley my appreciation of his kindly interest in this study. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.

Harnessing Official Statistics Feb 22 2022 An examination of the range of sources of official statistics relevant to healthcare, and the benefits and potential pitfalls of using them in research and in everyday clinical work. It highlights the issues that need to be considered when

accessing and using data, and shows how the reader can transform data from being on a system to something that is of practical use. The contributors include John Charlton, Steve Price, Sheila Anderson, Gillian Matthews and Colin Cryer.

Official Statistics 4.0 Nov 02 2022 This book explores official statistics and their social function in modern societies. Digitisation and globalisation are creating completely new opportunities and risks, a context in which facts (can) play an enormously important part if they are produced with a quality that makes them credible and purpose-specific. In order for this to actually happen, official statistics must continue to actively pursue the modernisation of their working methods. This book is not about the technical and methodological challenges associated with digitisation and globalisation; rather, it focuses on statistical sociology, which scientifically deals with the peculiarities and pitfalls of governing-by-numbers, and assigns statistics a suitable position in the future informational ecosystem. Further, the book provides a comprehensive overview of modern issues in official statistics, embodied in a historical and conceptual framework that endows it with different and innovative perspectives. Central to this work is the quality of statistical information provided by official statistics. The implementation of the UN Sustainable Development Goals in the form of indicators is another driving force in the search for answers, and is addressed here. This book will be of interest to a broad readership. The topics of sociology, epistemology, statistical history and the management of production processes, which are important for official statistics and their role in social decision-making processes, are generally not dealt with in statistics books. The book is primary intended for official statisticians, but researchers and advanced students in statistics, economics, sociology and the political sciences will find the book equally stimulating. Last but not least, it offers a valuable source of reflection for policymakers and stakeholders.

官方统计数据 Oct 01 2022