Case Studies And Causal Inference An Integrative Framework

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Case Studies And Causal Inference

The notion than an independent central bank reduces a country’s inflation has been embraced by academics, central bankers, and politicians all over the world. This is somehow puzzling, giving the ...

Central bank independence and inflation: Weak causality at best

"As Others See Us: A Case Study in Path Analysis ... Holland, P.W. (1986). "Statistics and Causal Inference (with discussion)." Journal of the American Statistical Association 81, 945-970. Rubin, ...

Sociology 505: Causal Inference in the Social Sciences

The way we intuitively approach qualitative case research is similar to how we read ... helping us leverage our common-sense understandings of inference and hone our intuition when conducting causal ...

Bayesian Reasoning for Qualitative Social Science: A modern approach to case study inference
Techniques of causal inference based on patterns of stability and instability in the face of identified regime changes are developed and illustrated in two empirical case studies. 9. Case study I: the ...

Causality in Macroeconomics
Qualitative studies also often include a cross-case component. This is true for both small-N ... we suggest that counterfactual analyses are an important mode of causal inference within the ...

A Tale of Two Cultures: Qualitative and Quantitative Research in the Social Sciences
The RCT offers a number of important advantages, not least the belief, assuming careful attention to eligibility criteria and the rigor of the study protocol ... In addition to the techniques for ...

Asking Causal Questions of Observational Data: The Quest Continues
NTT Research, Inc., a division of NTT (TYO:9432), today announced that it has named Joe Alexander, M.D., Ph.D., as Director of the Medical & Health Informatics (MEI) Lab. Dr. Alexander has served as ...

NTT Research Names Joe Alexander Director of Medical and Health Informatics (MEI) Lab
Despite centuries of work in philosophy and decades of computational research, automated inference

and explanation remains an ... is illustrated through theoretical and experimental case studies, ...

Causality, Probability, and Time

In case of other disease correlations (tooth ... reported but the existing evidence remains unclear with respect to causal inference. Future research should therefore focus on the causality ...

Current Knowledge on Correlations Between Highly Prevalent Dental Conditions and Chronic Diseases

We excluded patients who had missing laboratory test results, and we performed a complete-case analysis after ... Accordingly, we are unable to draw a causal inference regarding the discrete ...

Multisystem Inflammatory Syndrome in Children — Initial Therapy and Outcomes

Despite the promise of immunotherapy across multiple cancer indications, studies show significant ... or appropriate causal inference methods for that. What's the take-home message for practicing ...

Alind Gupta, PhD, on a Predictive Model for Long-term Survival in Metastatic RCC

Description: The purpose of this course is to provide a brief introduction to the logic of causal inference in the context of ... decisions that must be made in designing and conducting a case study ...

Institute Courses and Descriptions

and causal inference). Expertise in and ability to work with multidisciplinary research teams is expected. Candidates should have a strong record of research in biostatistics in one or more of: ...

Open Faculty and Staff Positions

However, this is not always the case. Climate disasters can actually ... Second, the unfamiliarity of archaeological research with causal inference has greatly limited the credibility of these ...

Climate Crises Can Lead to Improved Social Cooperation and Economy

He received his bachelors in mathematics and Ph.D. in Systems Biology and Bioinformatics from Case Western Reserve University before ... Her work leverages methods from data science, statistics, ...

Core Faculty

This course is available on the MSc in Comparative Politics, MSc in Development Management, MSc in Development Studies ... our common-sense understandings of inference and hone our intuition when ...

A discussion of the case study method which develops an integrative framework for causal inference in small-n research. This framework is applied to research design tasks such as case selection and process tracing. The book presents the basics, state-of-the-art and arguments for improving the case study method and empirical small-n research.

An introduction to causal case study methods, complete with step-by-step guidelines and examples

The classic work on qualitative methods in political science Designing Social Inquiry presents a unified approach to qualitative and quantitative research in political science, showing how the same logic of inference underlies both. This stimulating book discusses issues related to framing research questions, measuring the accuracy of data and the uncertainty of empirical inferences, discovering causal effects, and getting the most out of qualitative research. It addresses topics such as interpretation and inference, comparative case studies, constructing causal theories, dependent and explanatory variables, the limits of random selection, selection bias, and errors in measurement. The book only uses mathematical notation to clarify concepts, and assumes no prior knowledge of mathematics or statistics. Featuring a new preface by Robert O. Keohane and Gary King, this edition makes an influential work available to new generations of qualitative researchers in the social sciences.

A Handbook for Social Science Field Research: Essays & Bibliographic Sources on Research Design and Methods provides both novice and experienced scholars with valuable insights to a select list of critical texts pertaining to a wide array of social science methods useful when doing fieldwork. Through essays on ethnography to case study, archival research, oral history, surveys, secondary data analysis, and ethics, this refreshing new collection offers "tales from the field" by renowned scholars across various disciplines.

An innovative and accessible textbook on multimethod and case-study research Multimethod research has become indispensable to doing social science, and is essential to anyone who conducts large-scale

research projects in political science, sociology, education, comparative law, or business. This authoritative and accessible book offers the first truly comprehensive approach to multimethod and case-study research, and is particularly aimed at students of qualitative methods in the social sciences. Walking step-by-step through these cutting-edge tools and techniques, Gary Goertz introduces a new integrated approach that unites three corners of a powerful research triad—causal mechanisms, cross-case causal inference, and within-case causal inference. He explains how the investigation of causal mechanisms and the making of within-case causal inference are the central goals of multimethod and case study research, and provides a logic for connecting case studies and causal mechanism analysis with cross-case analysis, whether they are statistical analyses, experiments, or QCA. In addition, Goertz analyzes how one can generalize using case studies, as well as systematically test game-theoretic and other models using multiple case studies. Provides a fully integrated approach to multimethod and case-study research An essential resource for students and researchers in political science, sociology, education, law, and business Covers constraint causal mechanism, game theory and case studies, QCA, and the use of case studies to systematically test and generalize theories An ideal textbook for a first-year graduate course in methods or research design

A discussion of the case study method which develops an integrative framework for causal inference in small-n research. This framework is applied to research design tasks such as case selection and process tracing. The book presents the basics, state-of-the-art and arguments for improving the case study method and empirical small-n research.

A concise and self-contained introduction to causal inference, increasingly important in data science and

machine learning. The mathematization of causality is a relatively recent development, and has become increasingly important in data science and machine learning. This book offers a self-contained and concise introduction to causal models and how to learn them from data. After explaining the need for causal models and discussing some of the principles underlying causal inference, the book teaches readers how to use causal models: how to compute intervention distributions, how to infer causal models from observational and interventional data, and how causal ideas could be exploited for classical machine learning problems. All of these topics are discussed first in terms of two variables and then in the more general multivariate case. The bivariate case turns out to be a particularly hard problem for causal learning because there are no conditional independences as used by classical methods for solving multivariate cases. The authors consider analyzing statistical asymmetries between cause and effect to be highly instructive, and they report on their decade of intensive research into this problem. The book is accessible to readers with a background in machine learning or statistics, and can be used in graduate courses or as a reference for researchers. The text includes code snippets that can be copied and pasted, exercises, and an appendix with a summary of the most important technical concepts.

Handbook of Statistical Methods for Case-Control Studies is written by leading researchers in the field. It provides an in-depth treatment of up-to-date and currently developing statistical methods for the design and analysis of case-control studies, as well as a review of classical principles and methods. The handbook is designed to serve as a reference text for biostatisticians and quantitatively-oriented epidemiologists who are working on the design and analysis of case-control studies or on related statistical methods research. Though not specifically intended as a textbook, it may also be used as a backup reference text for graduate level courses. Book Sections Classical designs and causal inference,

measurement error, power, and small-sample inference Designs that use full-cohort information Time-to-event data Genetic epidemiology About the Editors Ørnulf Borgan is Professor of Statistics, University of Oslo. His book with Andersen, Gill and Keiding on counting processes in survival analysis is a world classic. Norman E. Breslow was, at the time of his death, Professor Emeritus in Biostatistics, University of Washington. For decades, his book with Nick Day has been the authoritative text on case-control methodology. Nilanjan Chatterjee is Bloomberg Distinguished Professor, Johns Hopkins University. He leads a broad research program in statistical methods for modern large scale biomedical studies. Mitchell H. Gail is a Senior Investigator at the National Cancer Institute. His research includes modeling absolute risk of disease, intervention trials, and statistical methods for epidemiology. Alastair Scott was, at the time of his death, Professor Emeritus of Statistics, University of Auckland. He was a major contributor to using survey sampling methods for analyzing case-control data. Chris J. Wild is Professor of Statistics, University of Auckland. His research includes nonlinear regression and methods for fitting models to response-selective data.

Did mandatory busing programs in the 1970s increase the school achievement of disadvantaged minority youth? Does obtaining a college degree increase an individual's labor market earnings? Did the use of the butterfly ballot in some Florida counties in the 2000 presidential election cost Al Gore votes? If so, was the number of miscast votes sufficiently large to have altered the election outcome? At their core, these types of questions are simple cause-and-effect questions. Simple cause-and-effect questions are the motivation for much empirical work in the social sciences. This book presents a model and set of methods for causal effect estimation that social scientists can use to address causal questions such as these. The essential features of the counterfactual model of causality for observational data analysis are

presented with examples from sociology, political science, and economics.