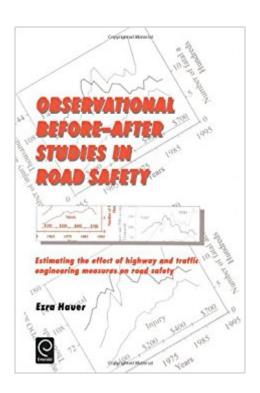
The book was found

Observational Before-After Studies In Road Safety





Synopsis

This three part monograph aims to enable road safety researchers and professionals to interpret correctly the results of one of the main sources of knowledge about the effect of road safety engineering measures, the "observational Before-After study". Part I, Essentials - contains information the author regards as essential for forming an opinion of results obtained by others, and for planning and analysing such a study. This is written to be accessible to all. Part II, Adaptations of conventional approaches - explains how to avoid the errors and improve the results obtained from the predominant methods currently used. This Part employs algebra and statistical analysis. Part III, Elements of a new approach - presents new approaches to improve future methods of observation and analysis.

Book Information

Hardcover: 306 pages

Publisher: Emerald Group Publishing Limited (February 1, 1997)

Language: English

ISBN-10: 0080430538

ISBN-13: 978-0080430539

Product Dimensions: 7 x 0.8 x 10 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars Â See all reviews (2 customer reviews)

Best Sellers Rank: #1,802,287 in Books (See Top 100 in Books) #103 in Books > Engineering &

Transportation > Engineering > Civil & Environmental > Highway & Traffic #422 in Books >

Engineering & Transportation > Engineering > Civil & Environmental > Transportation #761

in Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational

Systems > Health & Safety

Customer Reviews

This is one of the best technical books I've ever read on any subject--and I've read many of them! It should be must reading not only for those who conduct transportation safety studies--the subject of the book-- but also for those conducing any observational study ("before/after study"), whether safety-related or not. This book is a valuable and much-needed contribution to the technical literature. The book begins by showing how classical statistical techniques are often misused in observational studies. Classical techniques assume a rigorous experimental design, with random assignment to treatment and non-treatement groups. These conditions do not apply to observational

studies, such as those determining the influence of smoking on health. Errors such as assuming safety in the immediate "before" period is a good predictor of safety in the "after" period are discussed. The book then goes on to provide valid techniques that work. It shows how to compare the what would have been the safety in the after period without treatment, to the safety that was achieved. Complications of assessing the safety in the before and after periods are addressed. The book is not only an important technical contribution, it is also extremely well-written. The author's writing style is extremely lucid and should serve as an example to others. The first section of the book provides a qualitative description of the material. Subsequent sections then repeat the material, but with mathematical rigor. Numerous numerical examples (some with real-world data; others with hypothetical data for simplicity sake) make the material clear. Mathematical dervivations are provided for rigor, but isolated from the rest of the text to keep from overwhelming the reader.

Download to continue reading...

Observational Before-After Studies in Road Safety IEC 61511-3 Ed. 1.0 b:2004, Functional safety -Safety instrumented systems for the process industry sector - Part 3: Guidance for the determination of the required safety integrity levels After Effects for Flash / Flash for After Effects: Dynamic Animation and Video with Adobe After Effects CS4 and Adobe Flash CS4 Professional DYING TO REALLY LIVE: Finally, an After Death Survivor returns from deeply into life after death (NDEs - Life After Death? Series Book 1) Abortion after Roe: Abortion after Legalization (Studies in Social Medicine) Back-To-School Safety (Rookie Read-About Safety) McGraw-Hill's National Electrical Safety Code 2017 Handbook (Mcgraw Hill's National Electrical Safety Code Handbook) IEC 61511-2 Ed. 1.0 b:2004, Functional safety - Safety instrumented systems for the process industry sector - Part 2: Guidelines for the application of IEC 61511-1 IEC 61511-1 Ed. 1.0 b:2003. Functional safety - Safety instrumented systems for the process industry sector - Part 1: Framework, definitions, system, hardware and software requirements ISO 13849-1:2006, Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design Signs of Safety: A Solution and Safety Oriented Approach to Child Protection Casework Patterns In Safety Thinking: A Literature Guide to Air Transportation Safety Functional Safety for Road Vehicles: New Challenges and Solutions for E-mobility and Automated Driving The Night Before the Night Before Christmas Testifying Before Congress: A Practical Guide to Preparing and Delivering Testimony Before Congress and Congressional Hearings for Agencies, Assoc Sixto Diaz Rodriguez's Philosophy: Rodriguez's eBook Guide to Happiness (How to Live Before Dying, How to Live Before You Die; Leadership for our Times) 1,000 Recordings to Hear Before You Die (1,000... Before You Die Books) The BaZi Road To Success: Take The Road To Success In Search of Captain Zero: A

Surfer's Road Trip Beyond the End of the Road The Road In Is Not the Same Road Out: Poems

<u>Dmca</u>