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Autore	Wang Charles C.
Titolo	Comments on "Laser-excited fluorescence of the hydroxyl radical : relaxation coefficients at atmospheric pressure" // Charles C. Wang
Pubbl/distr/stampa	[Washington, D.C.] : , : [National Aeronautics and Space Administration], , [1983]
Descrizione fisica	1 online resource (5 pages)
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Autore	Carpenter James R. <1933->
Titolo	Multiple Imputation and Its Application // James R. Carpenter [and five others]
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ISBN	1-119-75611-1 1-119-75609-X
Edizione	[Second edition.]
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Lingua di pubblicazione	Inglese
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Nota di contenuto	Cover -- Title Page -- Copyright -- Contents -- Part I FOUNDATIONS -- Chapter 1 Introduction -- 1.1 Reasons for missing data -- 1.2 Examples -- 1.3 Patterns of missing data -- 1.3.1 Consequences of missing data -- 1.4 Inferential framework and notation -- 1.4.1 Missing completely at random (MCAR) -- 1.4.2 Missing at random (MAR) -- 1.4.3 Missing not at random (MNAR) -- 1.4.4 Ignorability -- 1.5 Using observed data to inform assumptions about the missingness mechanism -- 1.6 Implications of missing data mechanisms for regression analyses -- 1.6.1 Partially observed response -- 1.6.2 Missing covariates -- 1.6.3 Missing covariates and response -- 1.6.4 Subtle issues I: the odds ratio -- 1.6.5 Implication for linear regression -- 1.6.6 Subtle issues II: subsample ignorability -- 1.6.7 Summary: when restricting to complete records is valid -- Summary -- Exercises -- Chapter 2 The multiple imputation procedure and its justification -- 2.1 Introduction -- 2.2 Intuitive outline of the MI procedure -- 2.3 The generic MI procedure -- 2.4 Bayesian justification of MI -- 2.5 Frequentist inference -- 2.5.1 Large number of imputations -- 2.5.2 Small number of imputations -- 2.5.3 Inference for vector & bfitbeta -- -- 2.5.4 Combining likelihood ratio tests -- 2.6 Choosing

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Sommario/riassunto

"Multiple imputation remains the most widely used methodology for missing data. Since the publication of the first edition, both MI methodology and the range of applications has continued to expand and develop. Methodological advances include extended MI methodologies for multilevel data and causal models, alongside important practical developments in sensitivity analysis. Key practical applications are clinical trials, prognostic modelling and causal modelling. Following on from the first edition, the authors here present the concepts in an intuitive way, setting out the issues raised by missing data, describing the rationale for MI, and show how it can be applied in increasingly complex settings with a range of examples. Also available for the first time are theoretical and computer-based exercises using Stata and R to help the instructor. Multiple Imputation and its Application, Second Edition is aimed at quantitative medical and social researchers by presenting the concepts in an intuitive way, illustrating with a range of examples. Alongside this, inclusion of key mathematical details, and theoretical and computer-based exercises will make the text suitable for graduate teaching and short courses"--

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