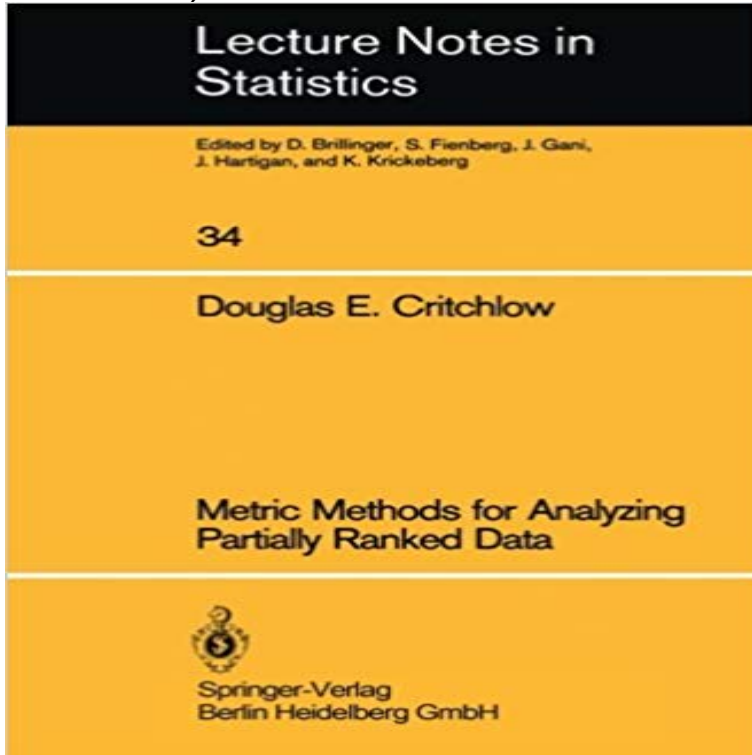


Metric Methods for Analyzing Partially Ranked Data (Lecture Notes in Statistics)



A full ranking of n items is simply an ordering of all these items, of the form: first choice, second choice, . . . , n -th choice. If two judges each rank the same n items, statisticians have used various metrics to measure the closeness of the two rankings, including Kendall's tau, Spearman's rho, Spearman's footrule, Ulam's metric, Hallin distance, and Cayley distance. These metrics have been employed in many contexts, in many applied statistical and scientific problems. This monograph presents general methods for extending these metrics to partially ranked data. Here partially ranked data refers, for instance, to the situation in which there are n distinct items, but each judge specifies only his first through k -th choices, where $k < n$. More complex types of partially ranked data are also investigated. Group theory is an important tool for extending the metrics. Full rankings are identified with elements of the permutation group, whereas partial rankings are identified with points in a coset space of the permutation group. The problem thus becomes one of extending metrics on the permutation group to metrics on a coset space of the permutation group. To carry out the extensions, two novel methods -- the so-called Hausdorff and fixed vector methods -- are introduced and implemented, which exploit this group-theoretic structure. Various data-analytic applications of metrics on fully ranked data have been presented in the statistical literature.

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A generative model for rank data based on sorting algorithm Metric Methods for. Analyzing Partially Ranked Data, volume 34 of Lecture. Notes in Statistics. Springer-Verlag, 1985. [Dempster et al., 1977] A. P. Dempster, **Algebraic Methods in Statistics and Probability II: AMS Special - Google Books Result** Find great deals for Lecture Notes in Statistics: Metric Methods for Analyzing Partially Ranked Data 34 by D. E. Critchlow (1986, Paperback). Shop with **Statistical Methods in Counterterrorism: Game Theory, Modeling, - Google Books Result** **On adding a list of numbers (and other one-dependent** Lecture Notes in Statistics Metric Methods for Analyzing Partially Ranked Data Metrics on Partially Ranked Data: The Case Where Each Judge Lists His k **Conditional Models on the Ranking Poset - The Analysis of Data** Computational Statistics and Data Analysis 56 (2012) 24862500. Contents lists available at . 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Metric methods for analyzing partially ranked data, volume 34 of Lecture Notes in Statistics. **Graphical Techniques for Ranked Data** SpringerLink Metric Methods for Analyzing Partially Ranked Data (Lecture Notes in Statistics). \$238.75. + \$21.71 Shipping. Brand new condition Sold by ausreseller See **Unsupervised Rank Aggregation with Domain - Semantic Scholar** Machine Learning, 48, 2002. [2] D. E. Critchlow. Metric Methods for Analyzing Partially Ranked Data. Lecture Notes in Statistics, volume 34, Springer, 1985. **Matchings and phylogenetic trees** {Springer}, series = {Lecture notes in statistics}, timestamp = {2009-08-21T09:49:55.000+0200}, title = {Metric methods for analyzing partially ranked data}, **Metric Methods For Analyzing Partially Ranked Data Lecture Notes In** AMS Special Session Algebraic Methods in Statistics and Probability, March Metric methods for analyzing partially ranked data, Lecture Notes in Statistics, **Metric Methods for Analyzing Partially Ranked Data - Google Books Result** The CAO data is an example of rank data and such data arises in a number of .. [3] Critchlow, D.E. (1985) Metric methods for analyzing partially ranked data. Fligner, M.A. and Verducci, J.S. (Eds), Lecture Notes in Statistics, 80, Springer. **Metric methods for analyzing partially ranked data** **BibSonomy** If we wish to consider the Model II test statistics U , then we see that the estimated A D.E. 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