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Domingo-Ferrer, Josep (EDT)/Franconi, Luisa (EDT)

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This book constitutes the refereed proceedings of the International Conference on Privacy in Statistical Databases, PSD 2006, held in December 2006 in Rome, Italy as the main conference of the CENEX-SDC (CENtre of EXcellence for Statistical Disclosure Control) project.   The 31 revised full papers presented were carefully reviewed and selected from 45 submissions. The papers are organized in topical sections on methods for tabular protection, utility and risk in tabular protection, methods for microdata protection, utility and risk in microdata protection, protocols for private computation, case studies, and software.

Methods for Tabular Protection A Method for Preserving Statistical Distributions Subject to Controlled Tabular Adjustment Automatic Structure Detection in Constraints of Tabular Data A New Approach to Round Tabular Data Harmonizing Table Protection: Results of a StudyUtility and Risk in Tabular Protection Effects of Rounding on the Quality and Confidentiality of Statistical Data Disclosure Analysis for Two-Way Contingency Tables Statistical Disclosure Control Methods Through a Risk-Utility Framework A Generalized Negative Binomial Smoothing Model for Sample Disclosure Risk Estimation Entry Uniqueness in Margined TablesMethods for Microdata Protection Combinations of SDC Methods for Microdata Protection A Fixed Structure Learning Automaton Micro-aggregation Technique for Secure Statistical Databases Optimal Multivariate 2-Microaggregation for Microdata Protection A 2-Approximation Using the Jackknife Method to Produce Safe Plots of Microdata Combining Blanking and Noise Addition as a Data Disclosure Limitation Method Why Swap When You Can Shuffle? A Comparison of the Proximity Swap and Data Shuffle for Numeric Data Adjusting Survey Weights When Altering Identifying Design Variables Via Synthetic DataUtility and Risk in Microdata Protection Risk, Utility and PRAM Distance Based Re-identification for Time Series, Analysis of Distances Beyond k-Anonymity: A Decision Theoretic Framework for Assessing Privacy Risk Using Mahalanobis Distance-Based Assessment Record Linkage for Disclosure Risk Improving Individual Risk EstimatorsProtocols for Private Case StudiesSoftware Author Index

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