

Preface

Privacy in statistical databases is about finding tradeoffs to the tension between the increasing societal and economical demand for accurate information and the legal and ethical obligation to protect the privacy of individuals and enterprises, which are the source of the statistical data. Statistical agencies cannot expect to collect accurate information from individual or corporate respondents unless these feel the privacy of their responses is guaranteed; also, recent surveys of Web users show that a majority of these are unwilling to provide data to a Web site unless they know that privacy protection measures are in place.

“Privacy in Statistical Databases 2004” (PSD 2004) was the final conference of the CASC project (“Computational Aspects of Statistical Confidentiality”, IST-2000-25069). PSD 2004 is in the style of the following conferences: “Statistical Data Protection”, held in Lisbon in 1998 and with proceedings published by the Office of Official Publications of the EC, and also the AMRADS project SDC Workshop, held in Luxemburg in 2001 and with proceedings published by Springer-Verlag, as LNCS Vol. 2316.

The Program Committee accepted 29 papers out of 44 submissions from 15 different countries on four continents. Each submitted paper received at least two reviews. These proceedings contain the revised versions of the accepted papers. These papers cover the foundations and methods of tabular data protection, masking methods for the protection of individual data (microdata), synthetic data generation, disclosure risk analysis, and software/case studies.

Many people deserve our gratitude. The conference and these proceedings would not have existed without the Organization Chair, Enric Ripoll, and the Organizing Committee (Jordi Castellà, Antoni Martínez, Francesc Sebé and Julià Urrutia). In evaluating the papers submitted we received the help of the Program Committee and four external reviewers (Jörg Höhne, Silvia Polettini, Yosef Rinott and Giovanni Seri).

We also thank all the authors of submitted papers and apologize for possible omissions.

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