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                      Challenge / / by Vicenç Torra

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   Soggetti   Computational intelligence
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   Lingua di pubblicazione   Inglese

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   Nota di bibliografia   Includes bibliographical references at the end of each chapters and
                      indexes.

   Nota di contenuto Introduction -- Machine and Statistical Learning -- On the
                      Classication of Protection Procedures -- User's privacy -- Privacy
                      Models and Disclosure Risk Measures -- Masking methods --
                      Information loss: evaluation and measures -- Selection of masking
                      methods -- Conclusions.

   Sommario/riassunto This book offers a broad, cohesive overview of the field of data privacy.
                      It discusses, from a technological perspective, the problems and
                      solutions of the three main communities working on data privacy:
                      statistical disclosure control (those with a statistical background),
                      privacy-preserving data mining (those working with data bases and
                      data mining), and privacy-enhancing technologies (those involved in
                      communications and security) communities. Presenting different
                      approaches, the book describes alternative privacy models and
                      disclosure risk measures as well as data protection procedures for
                      respondent, holder and user privacy. It also discusses specific data
                      privacy problems and solutions for readers who need to deal with big
                      data.