

大數據之資料去識別的標準化進程初論：根基於ISO/IEC 2nd CD 20889：2017-10-23

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摘要

隨著「大數據」、「資料探勘」的興盛發展，保護個人隱私的「去識別化」相關技術與標準化的需求也日益受到重視。相關的隱私洩漏事件已清楚證明了資料庫的公開往往隱藏著當事人的資料被識別的風險；為此，各方提出了各種保護個人隱私資料去識別化的實作方法與訂定相關標準；根基於此，國際標準組織（International Organization for Standardization，簡稱ISO）已立項進行「增強隱私之資料去識別化技術」的標準化工作項目。為了平衡個人隱私保護之風險與公開資料分析的效益，本文闡明前述標準化之內涵，並建議在我國「個人資料去識別化

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過程驗證要求及控制措施」的驗證規範之要求事項與控制措施中宜考慮加入相關規範。

關鍵詞：K-匿名模型、個人資訊去識別化、差分隱私模型、統計揭露控制、標準化

Data De-Identification Standardized Practice of Big Data: Based on ISO/IEC 2nd CD20889: 2017-10-23

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Abstract

With the progress of “big data” and “data mining”, “de-identification” techniques and standards that protect people’s privacy had become more and more important. Privacy leak cases had proved the risk that people’s data been identified come hand in hand with database opening. To solve this, different parties have come up with a variety of de-identification methods and standards. Based on these, International Organization for Standardization has started “enhancing de-identification technique” project. In order to achieve the balance between the risk of personal privacy and the benefit of open data, we state the standardization content and suggest the government take adding related requirements and controls in to concern.

Keywords: K-anonymity model, personally information de-identification, differential privacy model, statistical disclosure control (SDC), standardization

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