

# Evidence Based Anonymization

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## **Abstract**

No individual shall be identified, which is a typical legal condition for disseminating microdata. This unidentifiability, however, has not been clearly defined in a technical sense. Therefore the present paper technically states a method to decide whether given data are identifiable or not by measuring disclosure risk. The existing theory of disclosure risk lacks the method of deciding its critical value; the present article statistically estimates it by observing that a society has not recognized successful identification. Our method employs observable facts as an evidence of anonymity.

*Key words:* Population unique, Privacy, Statistical Disclosure Control.

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