

IAB-Colloquium zur Arbeitsmarkt- und Berufsforschung

Formal Definitions of Disclosure Limitations

Prof. Johannes Gehrke
Cornell University

The digitization of our daily lives has led to an explosion in the collection of data by governments, corporations, and individuals. Protection of confidentiality of this data is of utmost importance. However, knowledge of statistical properties of this private data can have significant societal benefit. I will discuss recent progress on formal definitions of disclosure and associated methods from computer science that enforce these definitions.

BIO: Johannes Gehrke is a Professor in the Department of Computer Science at Cornell University. Johannes' research interests are in the areas of database systems, data mining, and data privacy. Johannes has received a National Science Foundation Career Award, an Arthur P. Sloan Fellowship, an IBM Faculty Award, the Cornell College of Engineering James and Mary Tien Excellence in Teaching Award, the Cornell University Provost's Award for Distinguished Scholarship, and a Humboldt Research Award. He is the author of numerous publications on data mining and database systems, and he co-authored the undergraduate textbook Database Management Systems (McGrawHill (2002), currently in its third edition), used at universities all over the world. Johannes is also an Adjunct Professor at the University of Tromsø in Norway.

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