



## Kolloquium zur Bachelorarbeit

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### Development of a Pre-Censor for a Probabilistic Database Abstract for Presentation

This work describes the theoretical basis for a pre-censor securing sensitive data in a probabilistic database and also the implementation of this censor using a probabilistic database. For this, concepts of storing probabilistic data in a relational database to create a probabilistic database will be explained. Then there will be an explanation on how to secure data inside such a probabilistic database without restricting access to it. Based on this a pre-censor using a database proxy will be developed that secures data by acting as a man-in-the-middle and filtering data between a user and a database. The goal of this work was to find out if this concept of securing data works and how usable it is for common use by examining memory usage and runtime so the system was tested and an evaluation of it was made. However, testing has shown that the concept may not be practical as runtime increases drastically with rising data amount.

Freitag, den 19. Oktober. 2018, 10:00 Uhr,  
Besprechungsraum 106, IfI (D3), Julius-Albert-Str. 4.