

Invitation to the Oral Examination – Department CS

For the occasion of her examination for a Doctoral Degree,

Ms. Johanna Eicher

will present her dissertation entitled

Measuring and Optimizing the Quality of Anonymized Health Data

on **22 January 2025** at **10:00 h**

Attendance to the presentation is open to the public. The presentation will be in English.

The candidate, all members of the Examination Committee, and authorized examiners of the TUM School of CIT are invited to the presentation and subsequent oral examination.

The presentation and subsequent examination will take place in room **00.12.019** and online via Zoom:

Link:

<https://tum-conf.zoom-x.de/j/62510159733?pwd=bvKZCnbyBoMhXTnb3uwBEG6VNi0NkQ.1>

Meeting ID:

625 1015 9733

Password:

323764

Examination committee:

Chair: **Prof. Daniel Rückert; TUM**

First Examiner: **Prof. Martin Boeker; TUM**

Second Examiner: **Prof. Oliver Kohlbacher; University of Tübingen**

Garching, the **09 January 2025**

Mailing list:

Members of the examination committee

Doctoral candidate

Abstract:

This dissertation focuses on data quality in the context of data anonymization. Quantifying data quality is a complex issue as the usefulness of data depends on the usage scenario. We provide recommendations for selecting general-purpose quality models for different application scenarios and we confirm the usefulness of one specific special-purpose model for statistical classification. Moreover, we provide software support by integrating our solutions into the data anonymization tool ARX.