

Privacy & data protection [8 ore]

The course aims to introduce the main methods for privacy-preserving management and analysis. It focuses on the main anonymization methods and the privacy-preserving computation models proposed so-far.

1. Privacy: definition, challenges and opportunities.
2. Privacy attacks and models in statistical databases (k-anonymity l-diversity, t-closeness)
3. Differential privacy: base definitions and theorems, advanced definitions, differentially private machine learning

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