



Research Program on Data Anonymization

The research agenda of our lab on privacy consists of the following two streams:

Risk Assessment

- Evaluating the extent to which personal health information is inadvertently being leaked in the context of research, care, and the provision of services.
- Simulating re-identification attacks to determine how easy it is to re-identify Canadians from publicly or easily obtainable data.
- Evaluating and analyzing of re-identification risk for very specific scenarios and situations that are relevant to the public or for policy making.
- Developing quantitative metrics for measuring re-identification risk based on different attack scenarios.

Anonymization Techniques

- Developing optimization algorithms that can be used to de-identify data (microdata and text).
- Developing desktop and enterprise tools to implement the anonymization algorithms developed during our research.

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