Tutorial 8: Data Privacy-part 1

Semester 1, 2021

Question 1: What is CIA Triad of information security? What is data privacy?

Question 2: What is a quasi-identifier? Can a dataset have multiple quasi-identifiers? What is the role a quasi-identifier plays in the k-anonymity approach?

Question 3: There are many data privacy attacking methods, considering the statistical attack example in the course Lecture Notes, how can you protect data privacy (i.e., not revealing individual's salary) using k-anonymity, l-diversity and differential privacy? Please also discuss their potential problems.