

Exercise Sheet 13: Privacy

Exercise 1

- a. Explain the difference between privacy and database security.
- b. Provide an example on how k-anonymity can ensure privacy of individuals.
- c. Show a possible attack on your provided example.
- d. What is l-diversity?
- e. Explain a possible attack on l-diversity? Can you think of further improvements?

Exercise 2

- a. What is statistical database security?
- b. Provide an example on how perturbation-based techniques can improve statistical database security.