

## Privacy-Preservation Technologies in Information Systems, WS 21/22

### Exercise Sheet 02. Subject: “GDPR, De-identification, Privacy-Paradox”

#### Task 1 - GDPR

- a) Name and describe the core principles of the GDPR.
- b) What is the difference between a ‘Legal Entity/Person’ and a ‘Natural Person’?
- c) Explain the terms ‘Data Subject’, ‘Personal Data’, ‘Controller’, ‘Processing’, and ‘Consent’.
- d) Name at least seven types of Personal Data.

#### Task 2 - De-identification

- a) What is the reason for using Anonymization techniques?
- b) Explain the Pseudonymization approach. What is the difference between Anonymization and Pseudonymization?
- c) Explain the basics of Encryption and Hashing. How are those tools related to de-identification?

#### Task 3 - Privacy-Paradox

Read the following paper and explain the Privacy Paradox (Use the institutional login to access the paper. Alternatively, you can access the site from the internal network of the University - directly or with VPN):

<https://doi.org/10.1016/j.cose.2015.07.002>