



Supplemental Fig. S1. Concept of synthetic data. Synthetic data refers to artificially generated data that simulates original data. It is created through computational algorithms and models to mimic the statistical properties and patterns of actual datasets. It is reconstituted to have the same distribution as the original data, and the same statistical analysis methods applicable to the original data can be used. Synthetic data can be used to protect sensitive information. Especially in healthcare, it enables researchers to create synthetic patient records for medical research while preserving patient privacy.