Privacy can mean many things

Differential privacy is about respecting individual data in statistical analyses

specific

aggregate

VS.

Privacy can mean many things

Differential privacy is about respecting individual data in statistical analyses

specific vs. **aggregate**

A randomized computation M is **differentially private** if there exists a value *epsilon* such that:

for any possible input dataset A,
for any possible input record r,
for any possible outcome S,

$$\Pr[M(A) = S] \leqslant \exp(\text{epsilon}) \times \Pr[M(A \pm r) = S].$$