SQL IN DATA MANAGEMENT

ANNI LIU

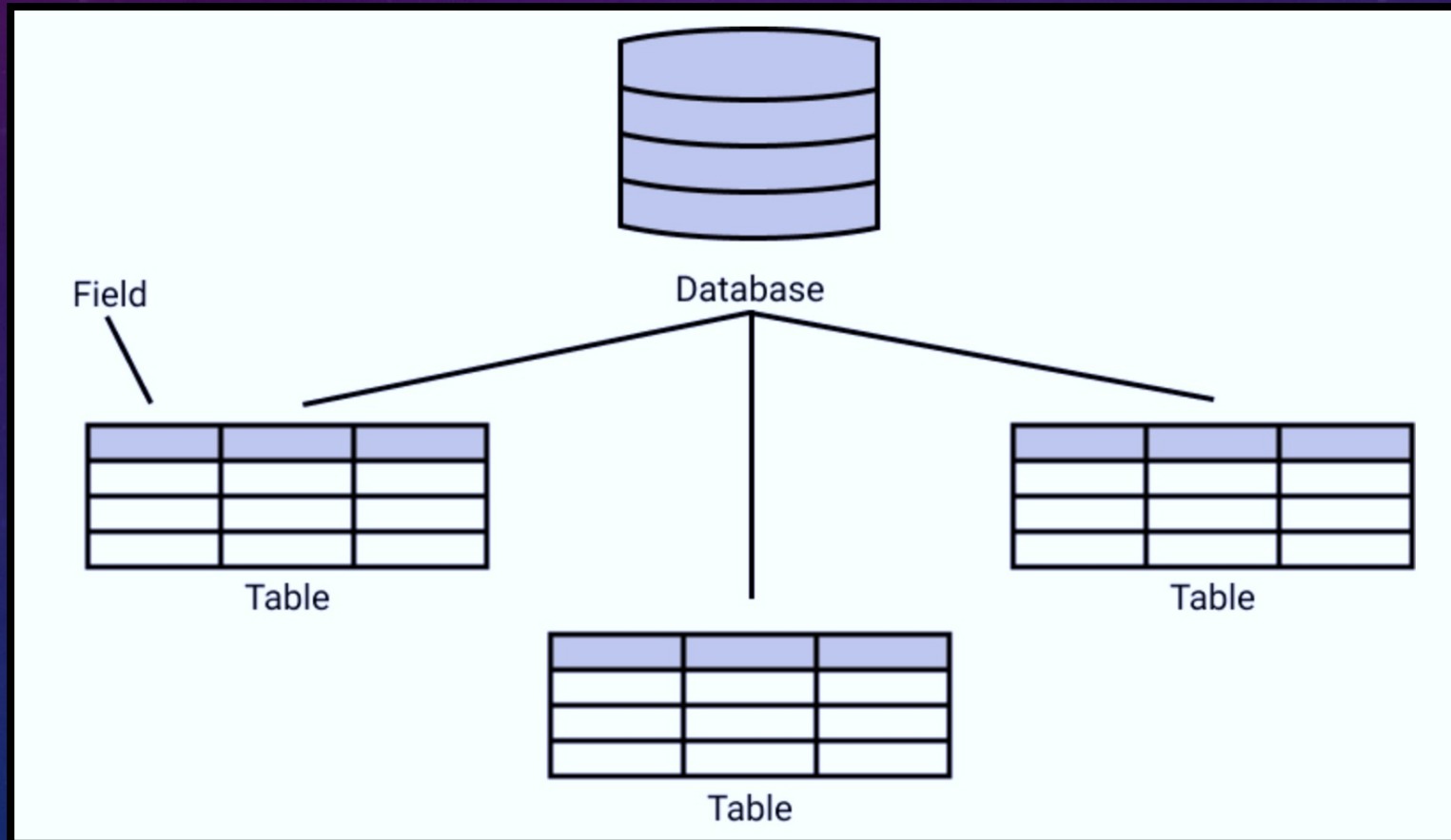POPULATION HEALTH SCIENCES, WEILL CORNELL MEDICINE

NOV 4, 2022

WHAT IS SQL?

- SQL stands for Structured Query Language.

- SQL is the language that you use to communicate with a database.

- A database can contain many different datasets, or tables, that can be interrelated in some way.

WHY USE SQL?

- You need to be able to communicate with the databases that many companies use to store their data.

- You can reuse a SQL query to update your dataset whenever the database itself is updated.

- Databases are more secure than localized datasets, and multiple people can read from the same database without any worry that someone is using a different version.

SQL TERMINOLOGY

- A database can contain one or multiple tables. Each tables have columns associated with them, which we refer to as fields.

SQL IN R/PYTHON

CASE STUDY: DATA MANAGEMENT OF GENE & LIPID EXPRESSION

Q & A