



# Select from two tables - JOINS



# Why we need to select from two or more Tables

- Can't we just dump everything into a spreadsheet and sort things out there?
- It would be incredibly time consuming, tedious, and error prone.
- The real power of SQL, however, comes from working with data from multiple tables at once.
- Relational databases are designed to be joined.
- Each table in the database contains data of a specific form or function.
- Having too much overlapping data between tables is wasteful and can negatively impact system performance.
- Analyses that involve only a single table are generally not useful.
- The interesting analyses come from datasets that combine multiple tables.
- we would need data from both tables and that's where **JOINS** comes in.

# How JOINS works

- When we join two tables, we are linking them together via a selected characteristic.

