# Relational Database Concepts

**Relational Model:**

* Most used
* Independency
* Data stored in tables

**Entity-Relationship Model**

* Entities have attributes (properties of entity)
  + Entitites become a table and attributes become columns

Primary keys vs foreign keys

* Primary keys unique identify a specific row in table
* Foreign keys are to identify a row in a copy/truncate of the original table

# SQL STATEMENTS

* Types: DDL (data definition Language) and DML(Data Manipulation Language)
  + DDL – define, change or drop data (create, alter, truncate removes lines from table but not the table, drop – eliminates a table)
    - Changing objects
  + DML – read and modify data. CRUD operations (Create, Read, Update e Delete rows)
    - Insert – Insert a row or several
    - Select – reads or selects rows/s
    - Uodate
    - Delete – Delete rows from table