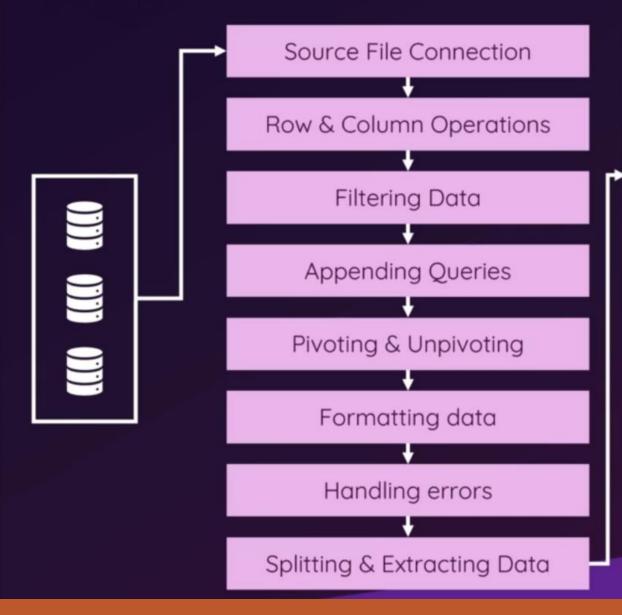


POWER PIVOT

DATA MODELING IN POWER BI

The Current State & Next Steps



Country-id	country		population
36	australia	***	711.4
276	germany		1738.8

Basic Cleaning & Shaping			



Develop & Create Data Model

Data Models - What & Why?

Data Warehouse

Large store of data retrieved from various sources designed to enable BI activities Data Model

Structured & logical organization of data elements (e.g. tables) and the relationship between different data elements

Multidimensional Schema

Model different dimensions to keep track of entities / actions concerning the warehouse's actitivies

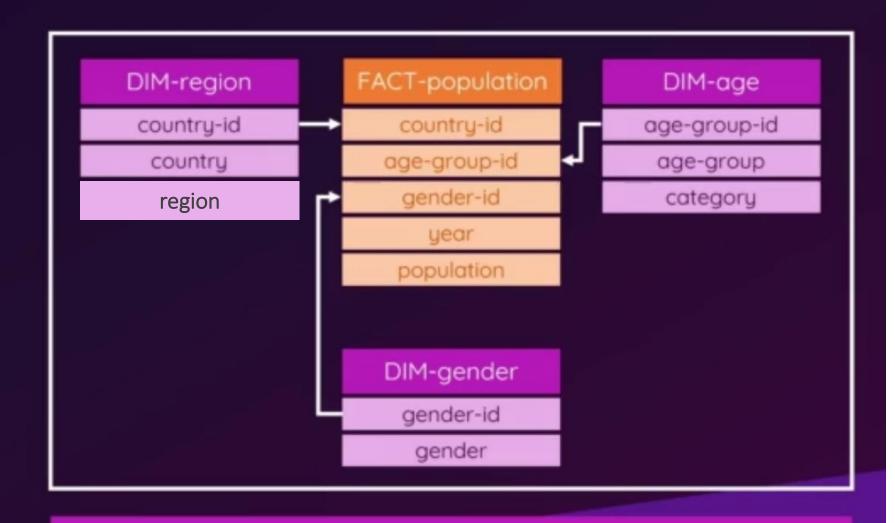


The Star Schema – An Example



Applying the Star Schema to the Course Project

pop-2010-2040
country-id
country
year
age-group
gender
population



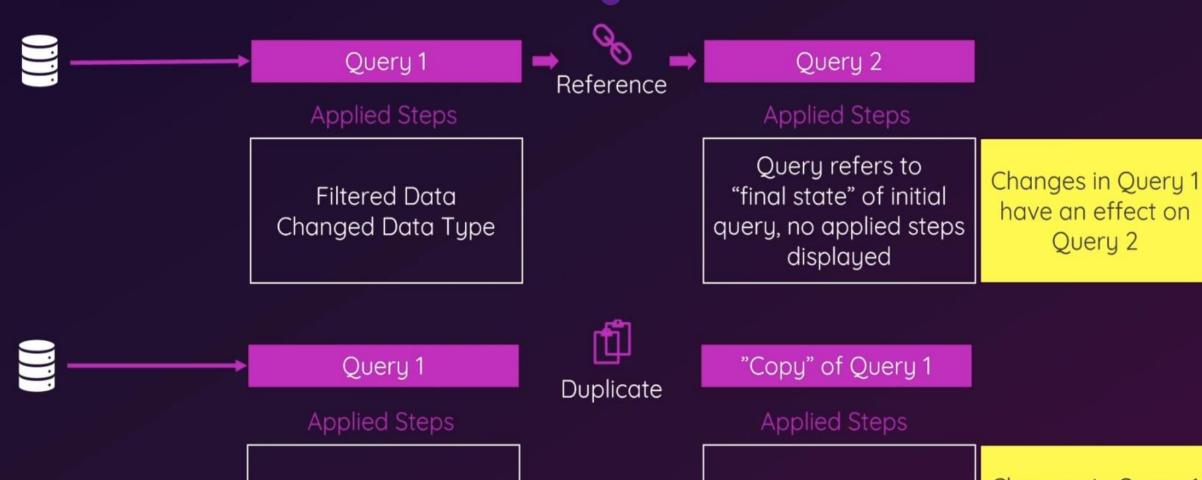
Single Table

Multidimensional (Star) Schema

Reference vs Duplicate

Filtered Data

Changed Data Type



Filtered Data Changed Data Type Changes in Query 1

<u>have no</u> effect on

Query 2

Understanding "Join Kind"

