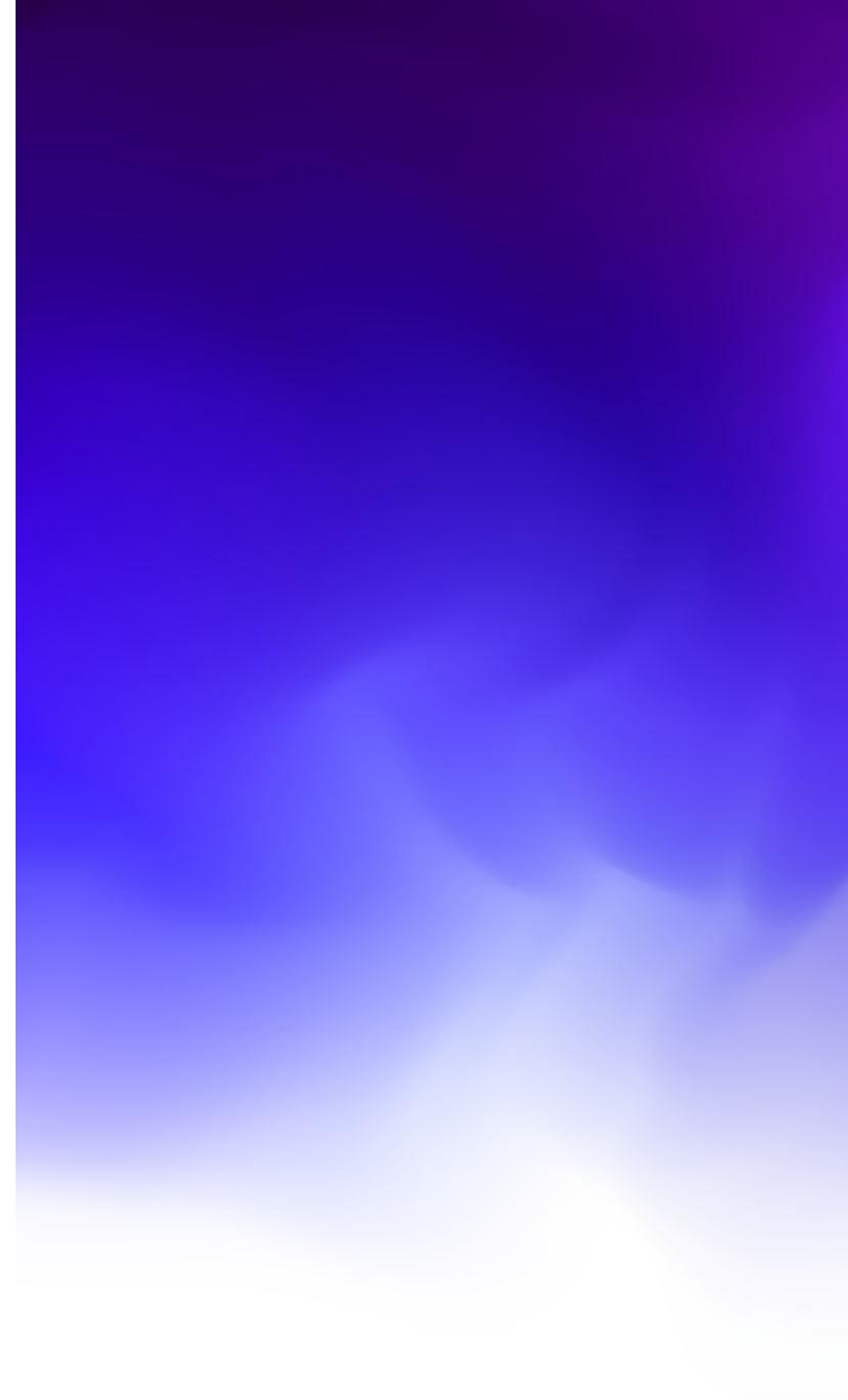# TABLEAU TRAINING DAY 2

- **Agenda**
  - Types of connections
  - Data Joins
  - Union Data
  - File Types
  - Data Types
  - Alias in Tableau
  - Hierarchy

Types of connections

- Live Connection

- Extract (in-memory)

    .hyper (After 10.5)
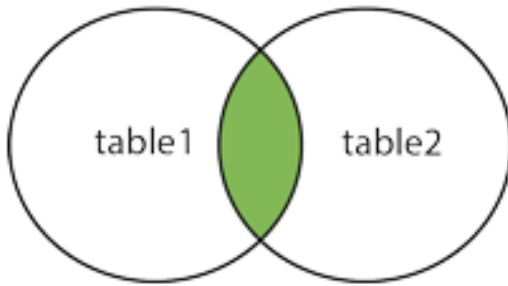
    .TDE(before 10.5)

Hyper Extract Advantages over Tableau Extract

- Create larger extracts

- Create and refresh extracts faster

- Experience better performance when interacting with views that use extract data sources
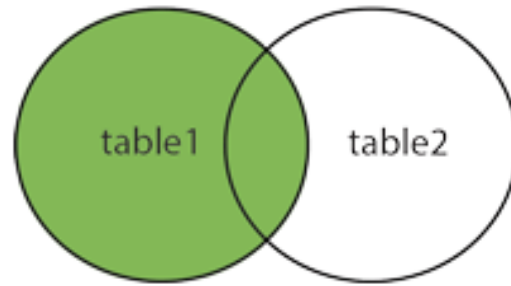
Data Joins

- Inner Join
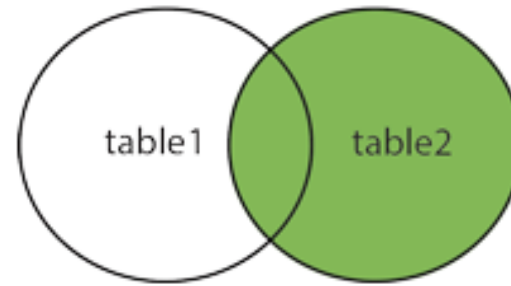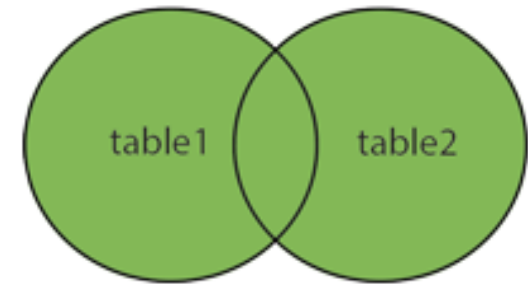- Left outer Join
- Right outer join
- Full outer join

DATA TYPES

Data Type	Icon
String values (Text)	Abc
Integer values (Numbers)	#
Date values (DD/MM/YYYY or MM/DD/YYYY)	📅
Date & Time values	📅🕐
Boolean values (True or False; relational)	T|F
Geographic values (Region, Postal code etc.)	🌐
Cluster group or mixed values	0❓

File Type

- Workbook (.twb)

- Package workbook (.twbx)

- Data Source (.tds)

- Package Source(.tdsx)

- Extract (.hyper / .tde)