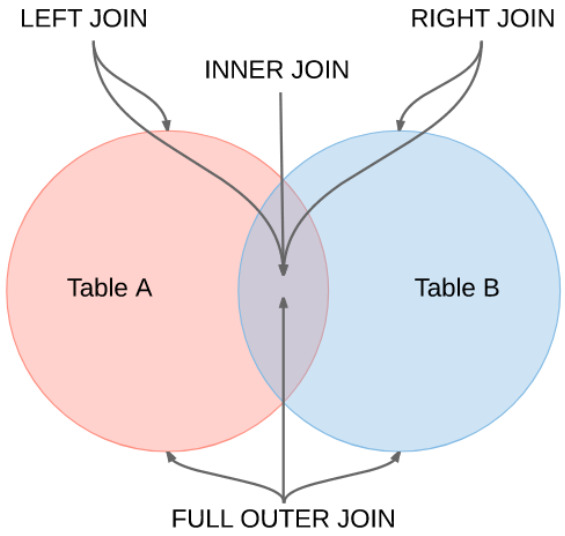

# An introduction to joins in R

Day 4

# Agenda – Day 4

- Different  type of joins in R
  - ❖ Inner Join / Natural Join
  - ❖ Full Outer Join
  - ❖ Left Outer Join
  - ❖ Right Outer Join
  - ❖ Special Join (Anti Join)



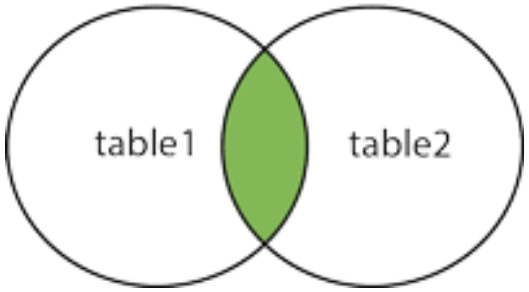
# Inner Join / Natural Join

- To keep only the rows that are common in both the tables

**R Syntax :**

inner_join (table 1, table 2, by=Common Variable)

**Output :**




**Please Note : We can use more than one variable in “by” parameter**

**Example : inner_join (table 1, table 2, by=c(var1,var2))**

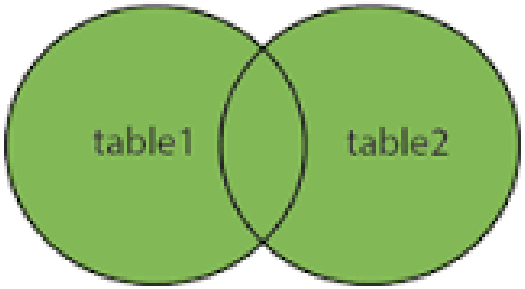
# Full Outer Join

- To keep all the rows from both the tables

**R Syntax :**

full_join (table 1, table 2, by=Common Variable)

**Output :**




**Please Note : We can use more than one variable in “by” parameter**

**Example : full_join (table 1, table 2, by=c(var1,var2))**

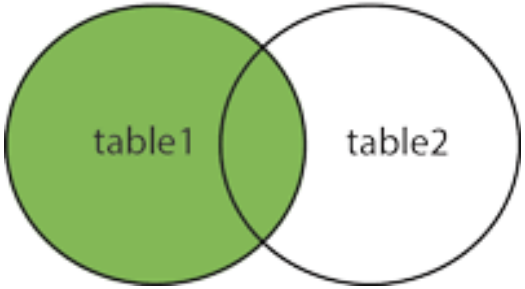
# Left Outer Join

- To keep all the rows in table 1 and only those match from table 2

**R Syntax :**

left_join (table 1, table 2, by=Common Variable)

**Output :**




**Please Note : We can use more than one variable in “by” parameter**

**Example : left_join (table 1, table 2, by=c(var1,var2))**

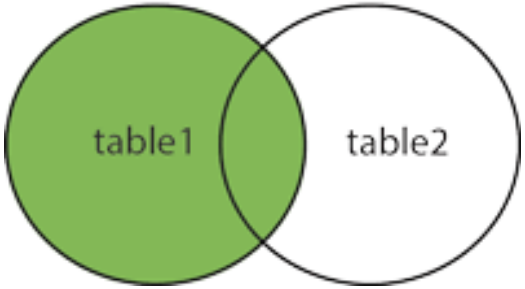
# Right Outer Join

- To keep all the rows in table 2 and only those match from table 1

**R Syntax :**

right_join (table 1, table 2, by=Common Variable)

**Output :**




**Please Note : We can use more than one variable in "by" parameter**

**Example : right_join (table 1, table 2, by=c(var1,var2))**

# Anti Join

- Drops all observations in table1 that match in table2

**R Syntax :**

anti_join (table 1, table 2, by=Common Variable)