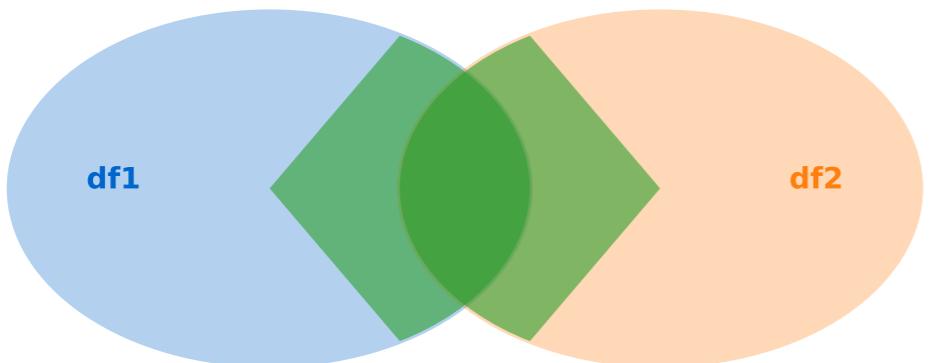


Types of Merge Operations

Inner Join

`merge(df1, df2, how='inner')`



Only matching keys (intersection)

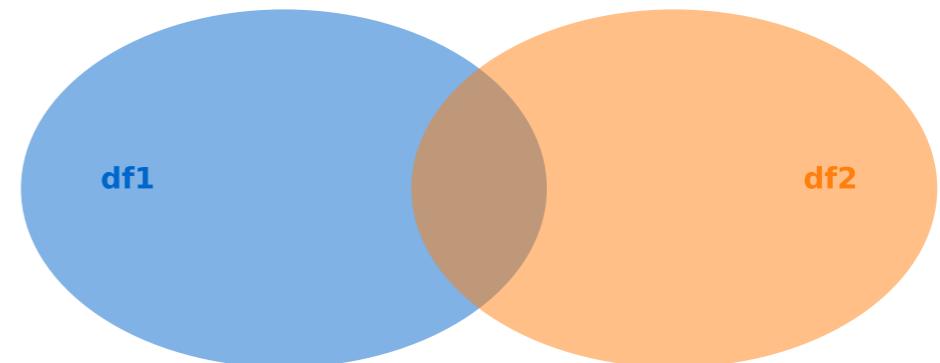
`df1: A, B, C`

`df2: B, C, D`

Result: B, C

Outer Join (Full)

`merge(df1, df2, how='outer')`



All keys from both (union)

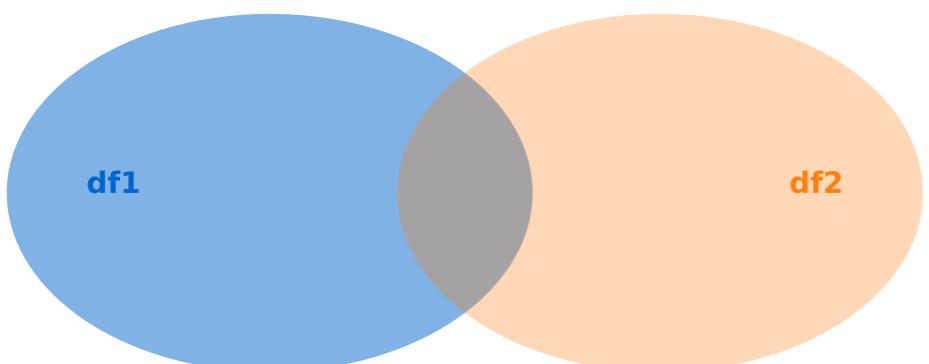
`df1: A, B, C`

`df2: B, C, D`

Result: A, B, C, D

Left Join

`merge(df1, df2, how='left')`



All keys from left + matches from right

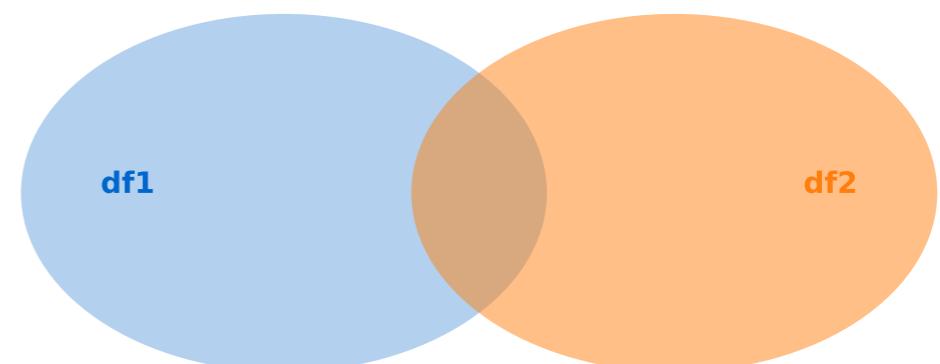
`df1: A, B, C`

`df2: B, C, D`

Result: A, B, C

Right Join

`merge(df1, df2, how='right')`



All keys from right + matches from left

`df1: A, B, C`

`df2: B, C, D`

Result: B, C, D