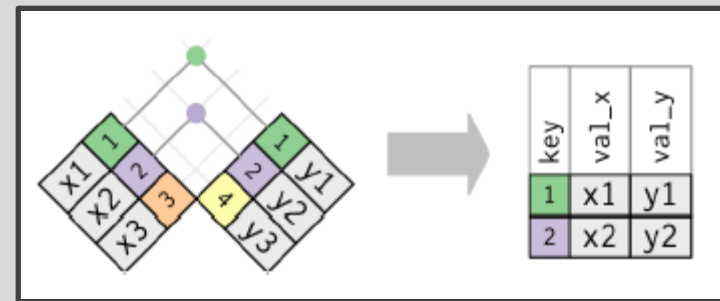*Joins II*

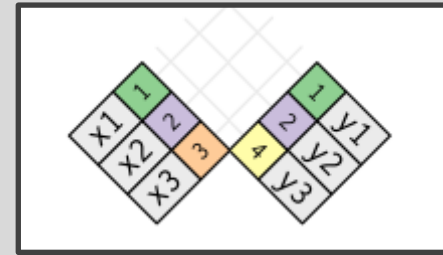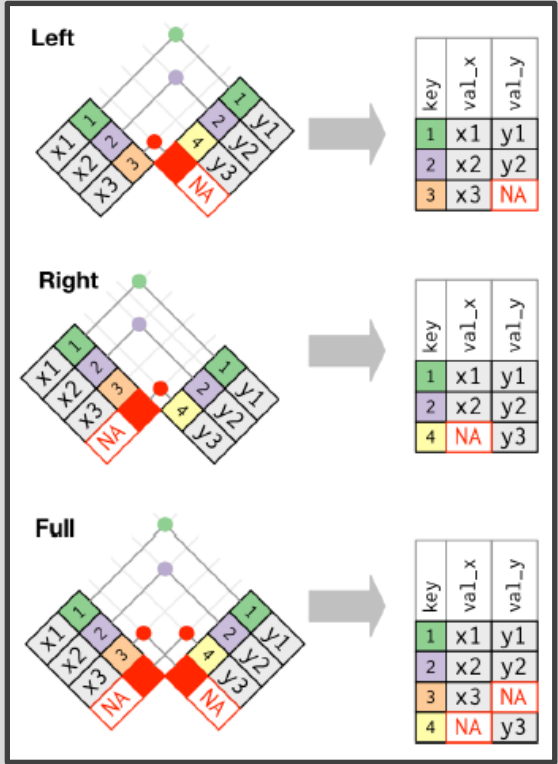**Graphical Depiction**
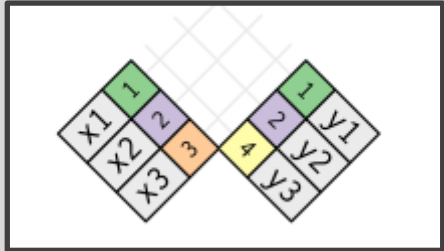
- Inner Join

- Notes on Inner Join
  - Generally Inappropriate
  - Easy to Lose Observations
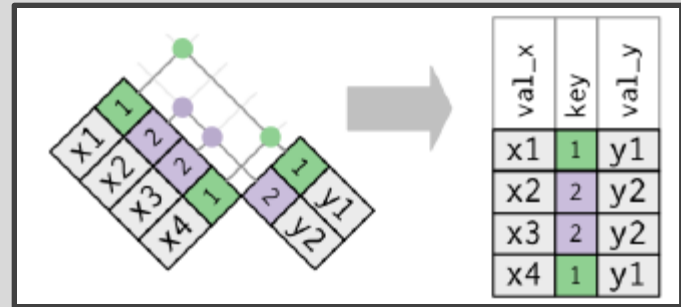
Graphical Depiction
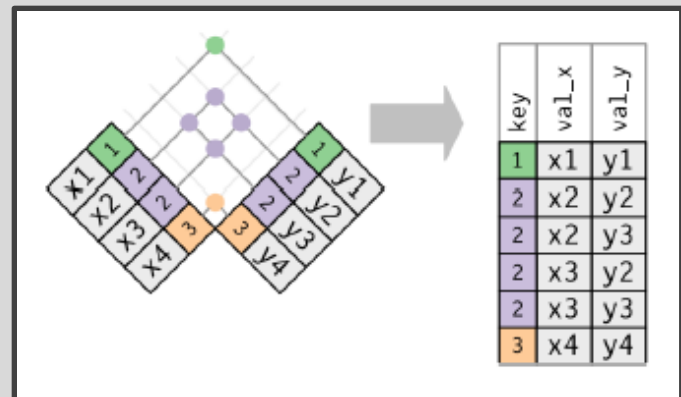
- Outer Join

Graphical Depiction

- Duplicate Keys

  - Using Left Join

  - One Table Has Duplicates

  - Both Tables Have Duplicates

Closing

Disperse and Make Reasonable Decisions