

Join Cardinalities

1-1

eg: person <-> DNA

Dual-sided uniques

- both merge objects contain unique values in the respective key

1-M

book - pages

One-sided uniques

- one of the merge objects contain non-unique values
- in the resulting `pd.merge()` the records are repeated M times

M-M

book - author

Dual-sided non-uniques

- both merge objects contain non-unique values
- in the resulting `pd.merge()` the records are repeated M x M times