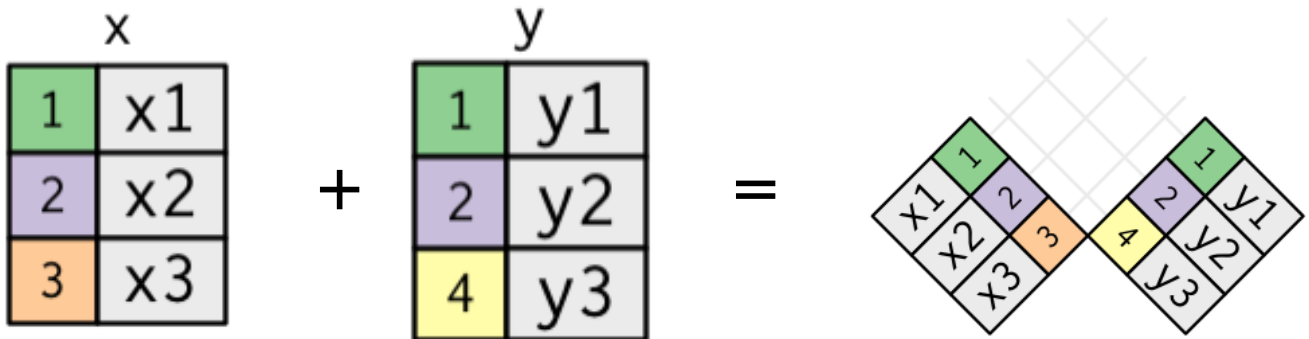


Original data sets:



Filtering Joins

`semi_join(x,y, by="key")`

Keeps all observations in x that have a match in y.



`anti_join(x,y, by="key")`

Drops all observations in x that have a match in y.



Adapted from Wickham, Hadley, and Garrett Golemund. 2016. R for Data Science: Import, Tidy, Transform, Visualize, and Model Data. O'Reilly Media, Inc.