Original data sets: У Ζ **x1 x2 x1 x2** Α В 2 1 C В 3 3 4 Set Operations **x1 x2** Α Return unique observations union(y, z) В in y and z. **x1 x2** Return only observations intersect(y, z) В in both y and z. 3 **x2 x1** Return observations in y, setdiff(y, z) Α 1 but not in z. 4

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