











3 Combining data for analysis

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The ability to transform and combine your data is a crucial skill in data science, because your data may not always come in one monolithic file or table for you to load. A large dataset may be broken into separate datasets to facilitate easier storage and sharing. Or if you are dealing with time series data, for example, you may have a new dataset for each day. No matter the reason, it is important to be able to combine datasets so you can either clean a single dataset, or clean each dataset separately and then combine them later so you can run your analysis on a single dataset. In this chapter, you'll learn all about combining data.

 Concatenating data	50 xp
 Combining rows of data	100 xp
 Combining columns of data	100 xp
 Finding and concatenating data	50 xp
 Finding files that match a pattern	100 xp
 Iterating and concatenating all matches	100 xp
 Merge data	50 xp
 1-to-1 data merge	100 xp
 Many-to-1 data merge	100 xp
 Many-to-many data merge	100 xp

HIDE CHAPTER DETAILS