

2 Vectors

We take you on a trip to Vegas, where you will learn how to analyze your gambling results using vectors in R. After completing this chapter, you will be able to create vectors in R, name them, select elements from them, and compare different vectors.

100% ==

Create a vector	✓ 100 xp
Create a vector (2)	✓ 100 xp
Create a vector (3)	✓ 100 xp
Naming a vector	✓ 100 xp
Naming a vector (2)	✓ 100 xp
Calculating total winnings	✓ 100 xp
Description of the Calculating total winnings (2)	✓ 100 xp
Calculating total winnings (3)	✓ 100 xp
Omparing total winnings	✓ 100 xp
♦ Vector selection: the good times	✓ 100 xp
✓ Vector selection: the good times (2)	✓ 100 xp

3 Matrices

100% ===

In this chapter, you will learn how to work with matrices in R. By the end of the chapter, you will be able to create matrices and understand how to do basic computations with them. You will analyze the box office numbers of the Star Wars movies and learn how to use matrices in R. May the force be with you!

What's a matrix?	✓ 100 xp
Analyze matrices, you shall	✓ 100 xp
Naming a matrix	✓ 100 xp
Calculating the worldwide box office	✓ 100 xp
Adding a column for the Worldwide box office	✓ 100 xp
Adding a row	✓ 100 xp
The total box office revenue for the entire saga	✓ 100 xp
Selection of matrix elements	✓ 100 xp
A little arithmetic with matrices	✓ 100 xp
A little arithmetic with matrices (2)	✓ 100 xp

4 Factors

100%

Data often falls into a limited number of categories. For example, human hair color can be categorized as black, brown, blond, red, grey, or white—and perhaps a few more options for people who color their hair. In R, categorical data is stored in factors. Factors are very important in data analysis, so start learning how to create, subset, and compare them now.

	What's a factor and why would you use it?	✓ 100 xp
<	What's a factor and why would you use it? (2)	✓ 100 xp
	What's a factor and why would you use it? (3)	✓ 100 xp
	Factor levels	✓ 100 xp
<	Summarizing a factor	✓ 100 xp
<	Battle of the sexes	✓ 100 xp
<	Ordered factors	✓ 100 xp
<	Ordered factors (2)	✓ 100 xp
<	Comparing ordered factors	✓ 100 xp

HIDE CHAPTER DETAILS ^

✓ Completed

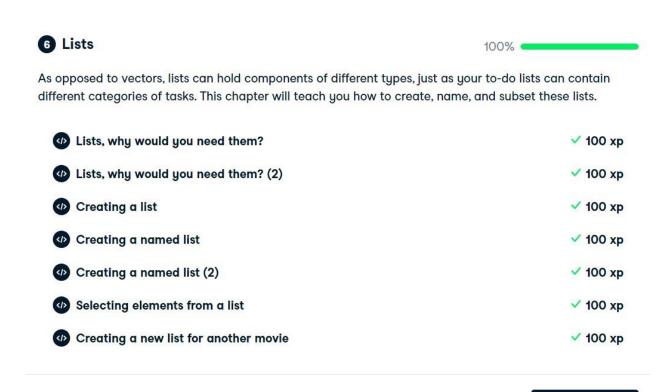
5 Data frames

100%

Most datasets you will be working with will be stored as data frames. By the end of this chapter, you will be able to create a data frame, select interesting parts of a data frame, and order a data frame according to certain variables.

⟨ Þ	What's a data frame?	✓ 100 xp
(Quick, have a look at your dataset	✓ 100 xp
(Have a look at the structure	✓ 100 xp
()	Creating a data frame	✓ 100 xp
(Creating a data frame (2)	✓ 100 xp
(Selection of data frame elements	✓ 100 xp
(Selection of data frame elements (2)	✓ 100 xp
(Only planets with rings	✓ 100 xp
(Only planets with rings (2)	✓ 100 xp
(Only planets with rings but shorter	✓ 100 xp
⟨ Þ	Sorting	✓ 100 xp

HIDE CHAPTER DETAILS ^



✓ Completed