Chapter 1 Completed

You've reached the end of Chapter 1... where you discover a badge! If you'd like to add this to your Code School account, click here to log in over on Code School. (Totally optional.)

Excellent work! Now you know the basics of R expressions. You've learned how to create and access variables, and how to call functions. You've learned how to run pre-made scripts. And you've learned how to access R's help functionality when you need it.

Now it's time to learn about the features that make R really unique and useful - its data structures. Vectors are first; we'll talk about them in the next chapter!

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Chapter 2 Completed

You've traversed Chapter 2... and discovered another badge! If you'd like to add this to your Code School account, click here to log in over on Code School, if you'd like to add it to your account.

In this chapter, we've shown you all the basics of manipulating vectors - creating and accessing them, doing math with them, and making sequences. We've shown you how to make bar plots and scatter plots with vectors. And we've shown you how R treats vectors where one or more values are not available.

The vector is just the first of several data structures that R offers. See you in the next chapter, where we'll talk about... the matrix.

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Chapter 3 Completed

Here we stand on the beach, at the end of Chapter 3. What's this, buried in the sand? It's another badge! Click here to log in over on Code School, if you'd like to add it to your account.

In this chapter, we learned how to create matrices from scratch, and how to re-shape a vector into a matrix. We learned how to access values within a matrix one-by-one, or in groups. And we saw just a few of the ways to visualize a matrix's data.

None of the techniques we've used so far will help you describe your data, though. We'll rectify that in the next chapter, where we'll talk about summary statistics.

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Chapter 4 Completed

Land ho! You've navigated Chapter 4. And what awaits us on the shore? It's another badge! Click here to log in over on Code School, if you'd like to add it to your account.

Summary statistics let you show how your data points are distributed, without the need to look closely at each one. We've shown you the functions for mean, median, and standard deviation, as well as ways to display them on your graphs.

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Chapter 5 Completed

A long inland march has brought us to the end of Chapter 5. We've stumbled across another badge! Click here to log in over on Code School, if you'd like to add it to your account.

Factors help you divide your data into groups. In this chapter, we've shown you how to create them, and how to use them to make plots more readable.

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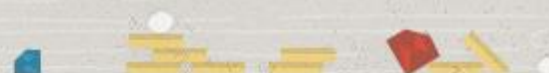
Chapter 6 Completed

Thirty paces south from the gate of the fort, and dig... we've unearthed another badge! Click here to log in over on Code School, if you'd like to add it to your account.

When your data grows beyond a certain size, you need powerful tools to organize it. With data frames, R gives you exactly that. We've shown you how to create and access data frames. We've also shown you how to load frames in from files, and how to cobble multiple frames together into a new data set.

Time to take what you've learned so far, and apply it. In the next chapter, we'll be working with some real-world data!

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Chapter 7 Completed

Captain's Log: The end of chapter 7. Supplies are running low. Luckily, we've spotted another badge! Click here to log in over on Code School, if you'd like to add it to your account.

We've covered how to take some real-world data sets, and test whether they're correlated with `cor.test`. Then we learned how to show that correlation on plots, with a linear model.

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