

Intro to Data Science in R: Hackpack

September 16th, 2021 / 3:00 PM - 4:00 PM ET

Description

Looking to get into data science, but not sure where to start? In this 60-minute workshop, you'll get a chance to take your first steps with the R programming language and see how it can be used at Hack The North 2021. Explore a data set, create a model, and deploy it.

Learning Outcomes

The goal of this workshop is to get a fundamental understanding of what data science is, to learn how to conduct basic data science workflows with the R programming language, and to apply this learning at Hack The North. After this workshop, you should be able to:

- Describe, at a high-level, what data science is all about
- Be able to write basic R code that reads, explores, and processes data sets
- Make a model "useful" by publishing it for others to access

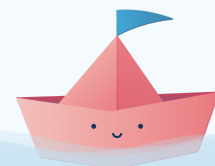
Prerequisite Knowledge

There is no prerequisite knowledge for this workshop. You can consider this list as things that are nice to have!

- Experience with R
- Experience with data science in a language other than R (e.g., Python)
- Experience with another programming language (e.g., Python)
- Familiarity with Jupyter Notebooks

Pre-Workshop Checklist

There is no configuration required for this workshop; we'll be using Google Colab. Before the workshop, it's a good idea to check if you can access Google Colab, though it's not necessary.



Timeline (1 hour)

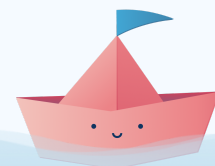
Time	Module	Description
5 min	Introduction	An introduction to the workshop!
15 min	Background	A brief background to the field of data science.
45 min	Colab!	Working through the Google Colab file together, which covers: <ul style="list-style-type: none">• R syntax• Reading data• Exploring data• Wrangling data• Visualizing data• Creating a basic model• Deploying a model
10 min	Debrief	A quick wrap-up and Q&A.

Workshop Lead Contact

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Additional Resources

Hack the North Resources

[Hack the North 2021 Event Schedule](#)

Check this out to stay up-to-date on activities, workshops, and other key happenings this weekend.

Workshop-Specific Resources

[R Workshop Notes](#)

From Harvard; serves a solid introduction to R.

[Learn X in Y Minutes: R](#)

A quick way of catching up on R syntax quirks.

[Introduction to Data Science](#)

The free and open-source textbook for UBC's introductory data science course!

[putrinprod.com](#)

Various guides and resources for getting your R code in production.

