



Welcome!

Introduction to Data Science with R

www.therbootcamp.com

@therbootcamp

October 2018

Welcome to the Basel R Bootcamp!



Wikipedia

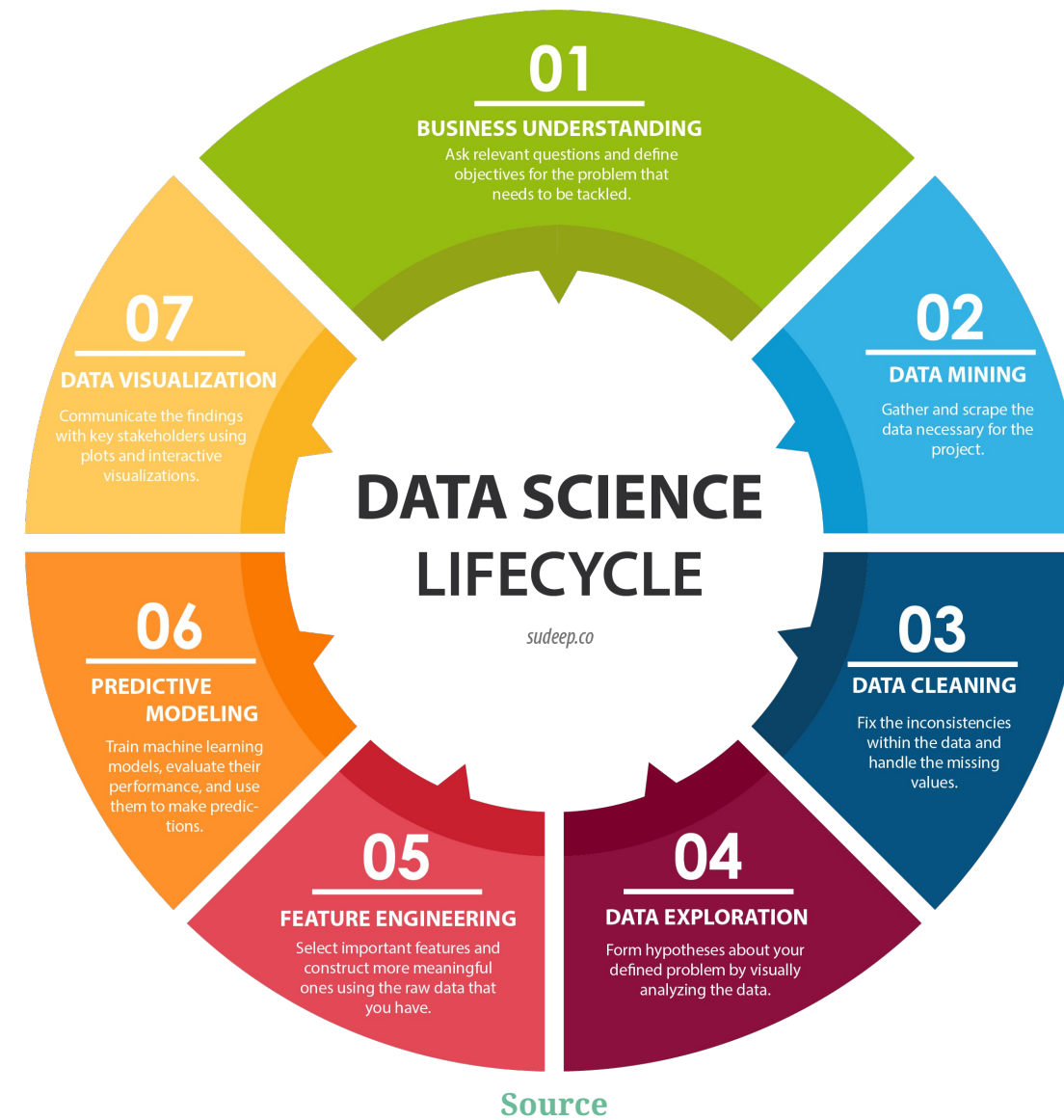
Schedule and Materials

Click the "Bootcamp running" link on our homepage!

www.thebootcamp.com



What is Data Science?



Aim

The aim of this workshop is enable you to thoughtfully and actively use R. You will learn the fundamentals of the R language, as well as cutting-edge packages for wrangling, analyzing, and communicating statistical data.



Schedule

We have an **ambitious schedule!**

2 days, 3 sessions per day, 2 hours per session, on a variety of topics.

Each session contains a slide-based **introduction** and a hands-on **programming practical**

	Sat, 6 Oct	Sun, 7 Oct
0900	Welcome	Recap
0930	Intro to R +Interactive	Analysing +Practical
1200	Lunch	Lunch
1300	Data +Practical	Plotting +Practical
1530	Wrangling +Practical	Case studies +Practical
1630		Next steps
1800	Wrapup	Apero

Introduction

15 - 45 minutes slide based introduction to help you understand the basic concepts, including:

- 1 - Theory
- 2 - Code examples
- 3 - Live demonstrations

All available online. Follow along, and don't worry about memorizing

This is a Link to our materials.

Be interactive! Ask questions!



Freepik.com



Practicals

Write your own R scripts!

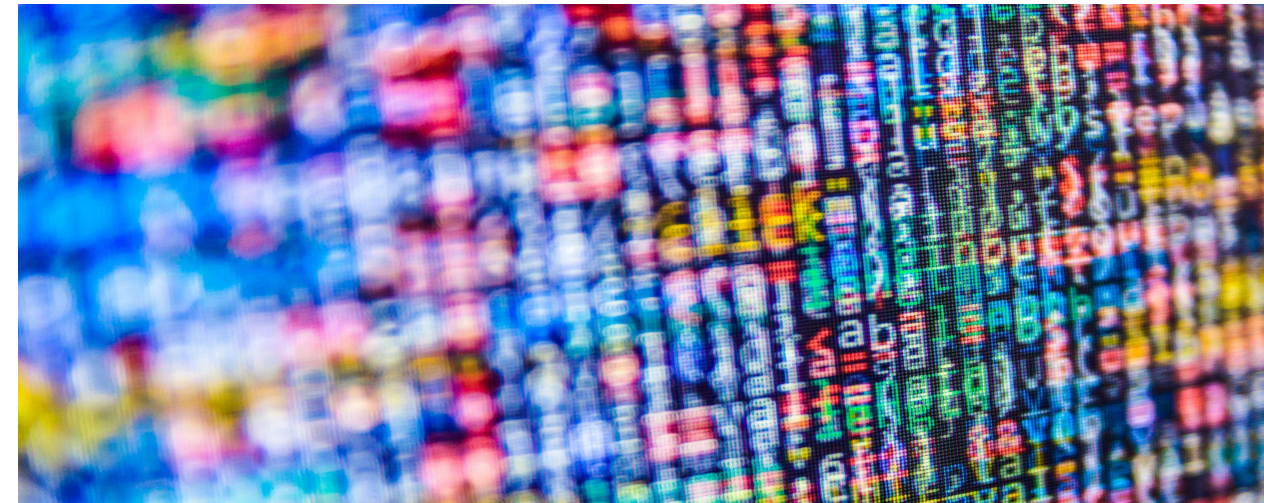
- 1 - Anywhere from 10 ~ 30 programming tasks.
- 2 - Starts easy, gets progressively more challenging
- 3 - Struggle, work together, ask questions and challenge yourself!
- 4 - Go at your own pace and finish as much as you can.
- 5 - We'll give you all the answers later

Data

Introduction to Data Science with R

www.therbootcamp.com (<https://therbootcamp.github.io>)

@therbootcamp (<https://twitter.com/therbootcamp>)



source (<https://www.methodspace.com>)

Overview

Datasets

Packages

Glossary

Examples

In this practical you'll learn how to work with basic data objects and functions. By the e

1-1 Coaching

Learning a computer language is **hard**.

Take breaks when you need them, and don't get discouraged!

Sometimes, you may find yourself in need of some **intensive help**. That's ok! We're here to help!

At any time, you can **request a 15 minute 1-1 intensive** coaching session. We'll grab a coffee and work through it together.



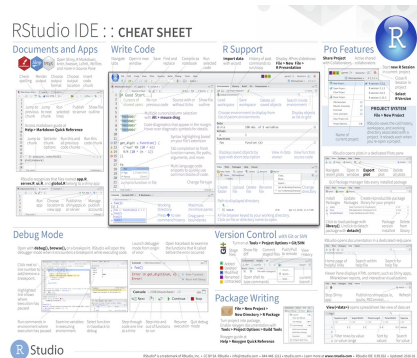
repairedcomputer.com



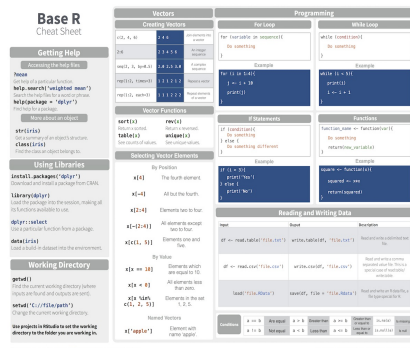
University of Southampton

Cheatsheets

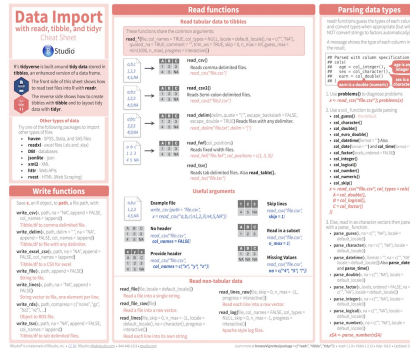
RStudio



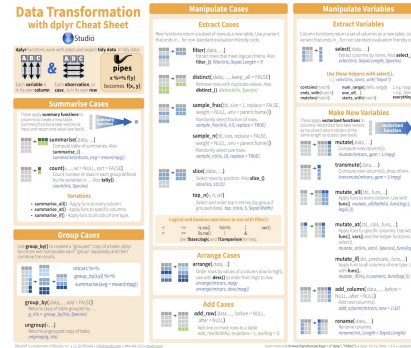
Base R



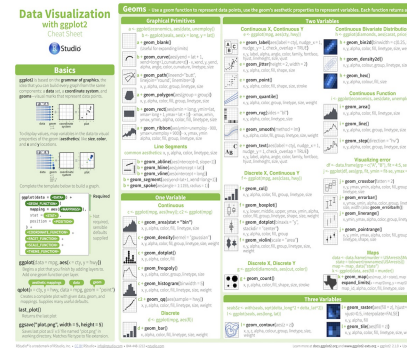
Data Import



Data Wrangling



Data Visualization



Breaks

- 1 - Feel free to take breaks when you need them!
- 2 - Help yourself to refreshments
- 3 - Lunch on your own or together at Tibits



[Tibits.ch](https://tibits.ch)

Introductions

1. What is your name?
2. Where are you from?
3. What is your current profession?
4. What is your programming experience?
5. Have you used R in the past?
6. What would you most like to do with R?
7. Coffee or tea?
8. Pizza or pasta?
9. Beer or wine?
10. Berlin or Paris?



artofmanliness.com

Questions?

[Link to schedule](#)

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