

# Welcome!

Introduction to Data Science with R

[www.therbootcamp.com](http://www.therbootcamp.com)

@therbootcamp

October 2018

# Welcome to the Basel R Bootcamp!



Wikipedia

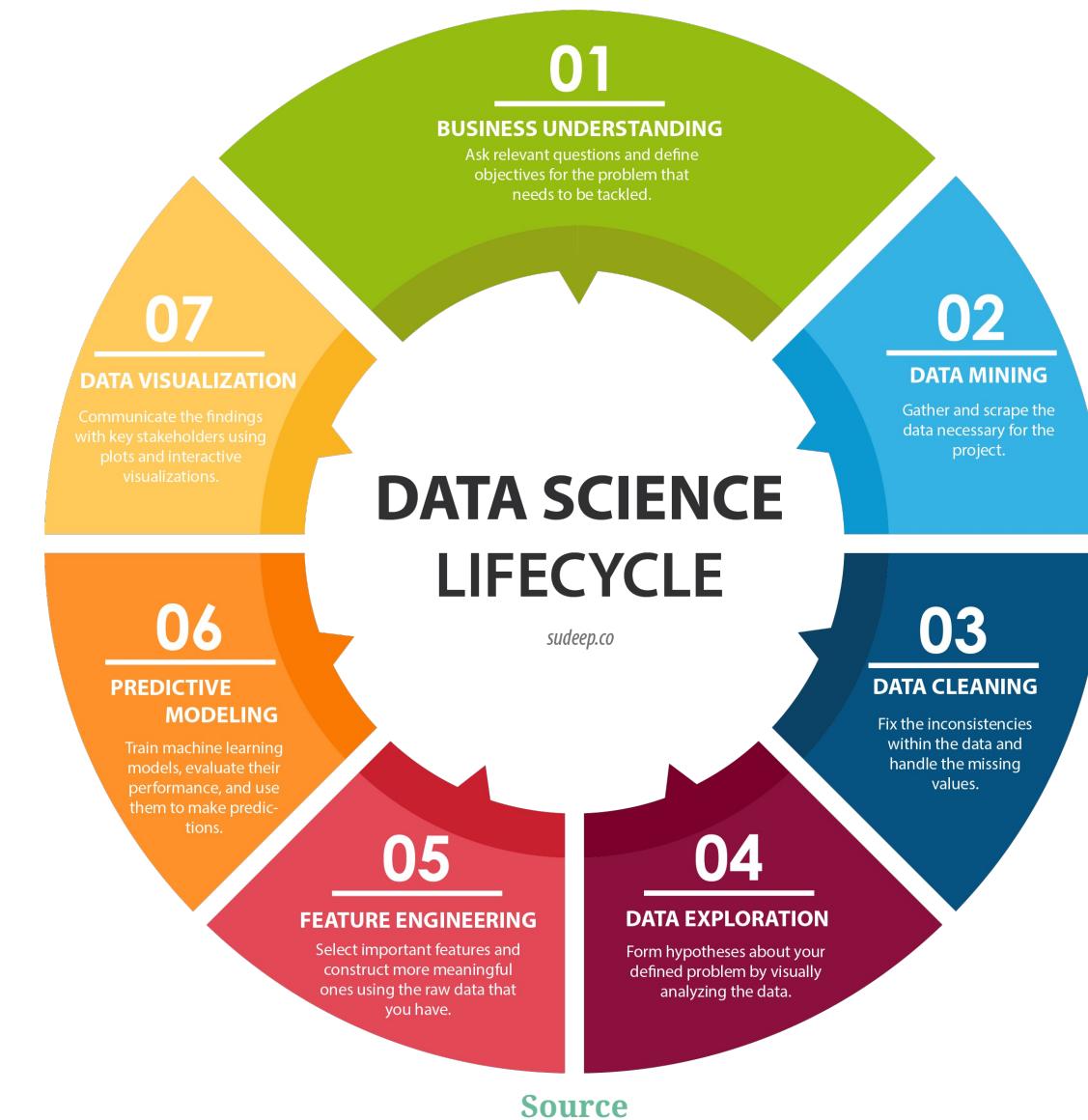
# Schedule and Materials

Click the "Bootcamp running" link on our homepage!

[www.therbootcamp.com](http://www.therbootcamp.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	<b>Intro to R</b> +Interactive	<b>Analysing</b> +Practical
1200	<i>Lunch</i>	<i>Lunch</i>
1300	<b>Data</b> +Practical	<b>Plotting</b> +Practical
1530	<b>Wrangling</b> +Practical	<b>Case studies</b> +Practical
1630		Next steps
1800	Wrapup	<i>Apero</i>

# 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



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# Practicals

## Write your own R scripts!

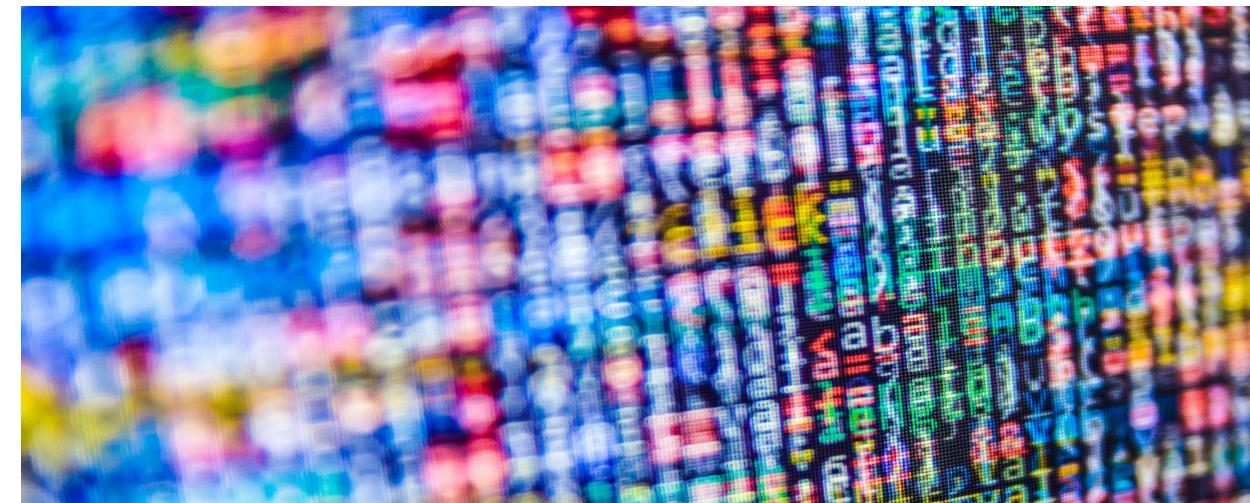
- 1 - Anywhere from 10 ~ 30 programming tasks.
- 2 - Starts easy, gets progressively more challenging
- 3 - Struggle, work together, ask questions and challenge yourself!
- 4 - Go at your own pace and finish as much as you can.
- 5 - We'll give you all the answers later

## Data

### ***Introduction to Data Science with R***

**[www.therbootcamp.com](http://www.therbootcamp.com) (<https://therbootcamp.github.io>)**

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



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

Overview

Datasets

Packages

Glossary

Examples

# 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.



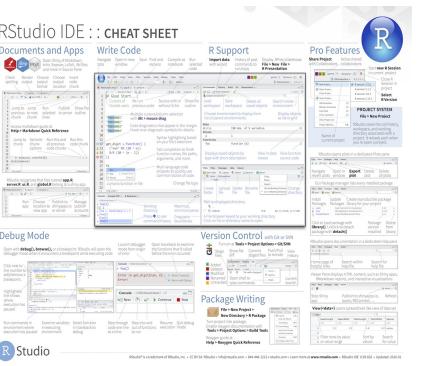
repairedcomputer.com



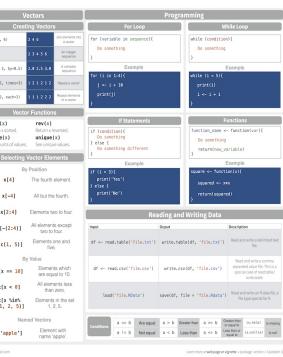
University of Southampton

# Cheatsheets

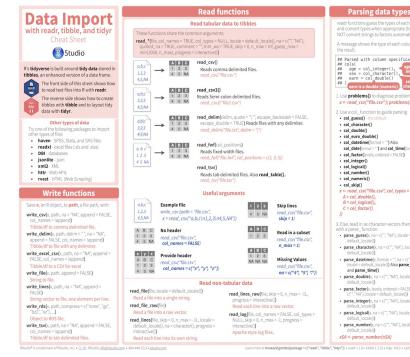
## RStudio



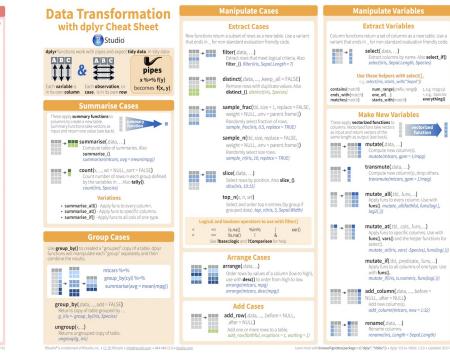
## Base R



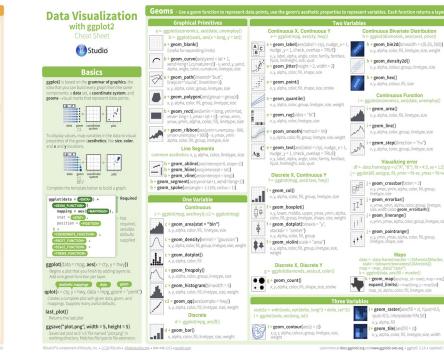
## Data Import



## Data Wrangling



## Data Visualization



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# Breaks

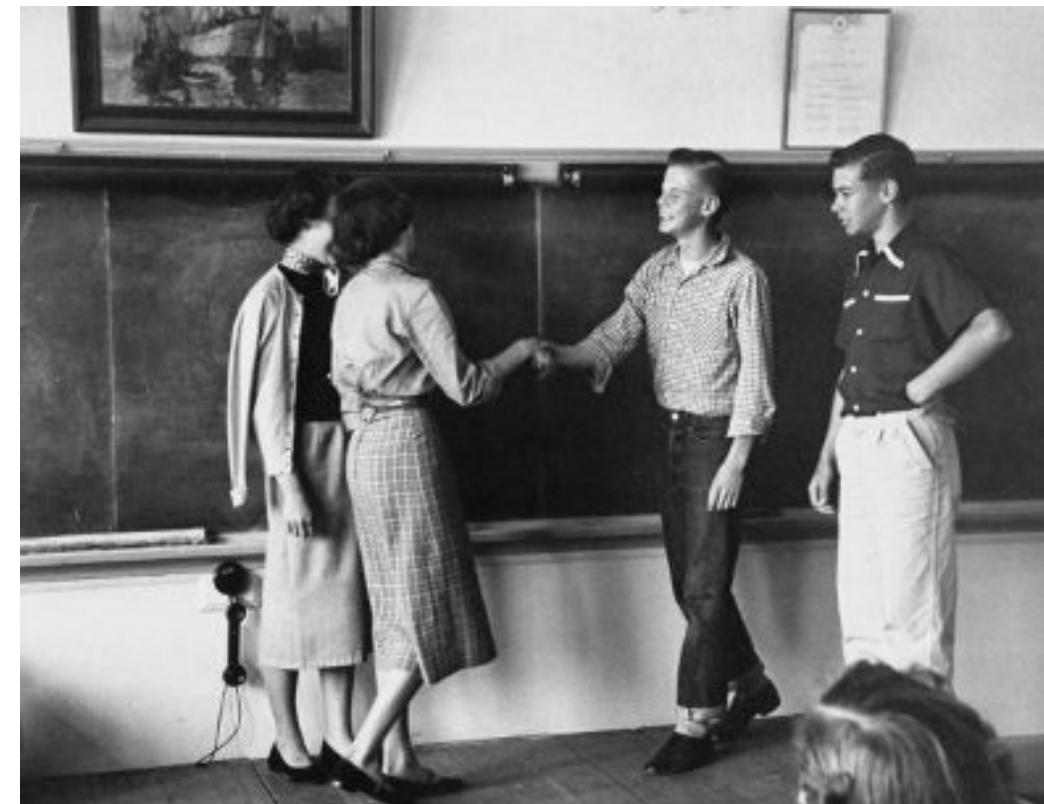
- 1 - Feel free to take breaks when you need them!
- 2 - Help yourself to refreshments
- 3 - Lunch on your own or together at Tibits



[Tibits.ch](http://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](http://artofmanliness.com)

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# Questions?

[Link to schedule](#)

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