Welcome!

Machine Learning with R

Basel R Bootcamp

October 2019

Welcome to the Basel R Bootcamp!

Machine Learning with R

October, 2019

from swisskyline.ch

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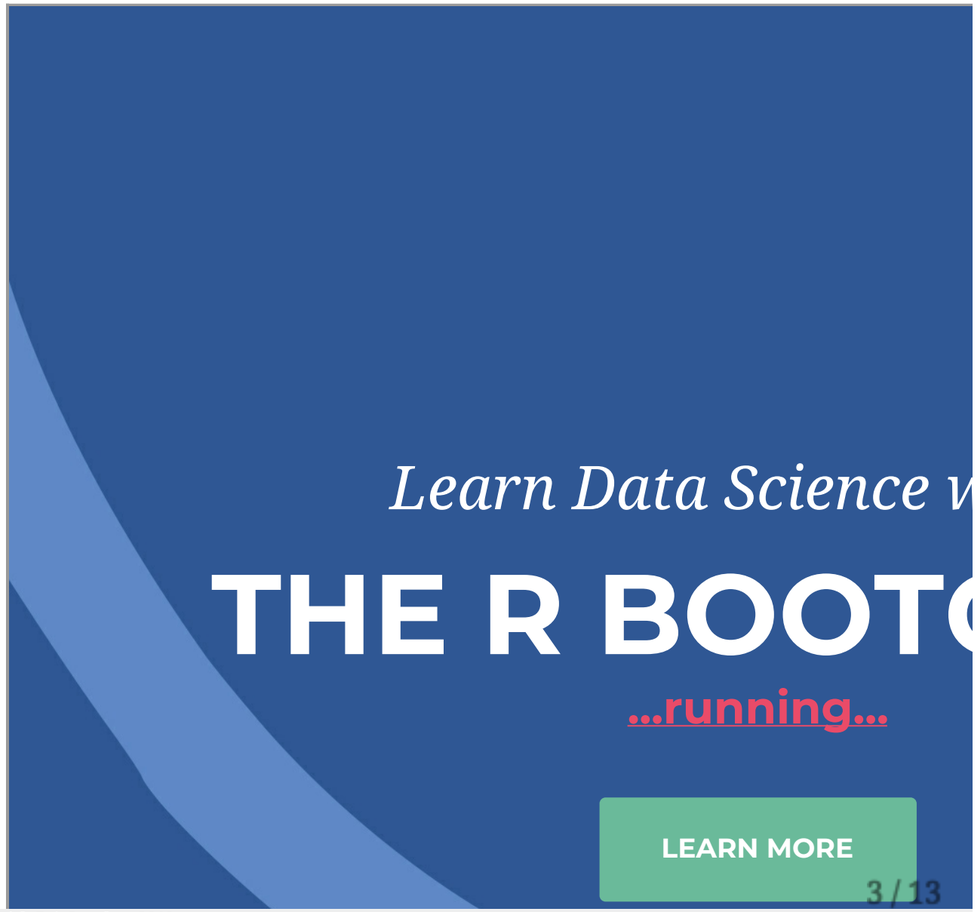
Schedule and Materials

Click the "....running..." link on our homepage!

www.therbootcamp.com



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Aim

> The aim of this workshop is enable you to thoughtfully implement machine learning methods, using R, to make data-driven decisions.

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What we will cover

1. Intro to the **fundamentals** of ML.
2. Intro to a few influential ML **models**.
3. Intro to **using R** for ML.
4. Opportunity to **learn by doing**.
5. Opportunity for **discussion**.

What we will *NOT* cover

In-depth, advanced treatment of ML.

from machinelearningplus.com

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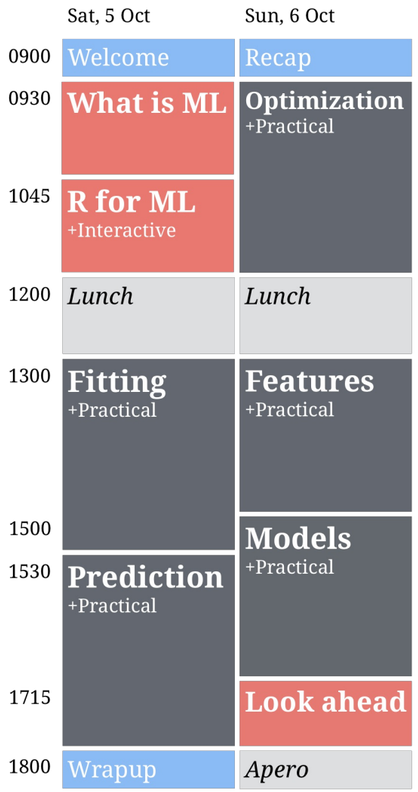
Schedule

We have an **ambitious schedule**!

2 days, 3-4 sessions per day, ~2.5 hours per session, on a variety of topics.

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



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Introduction

30 - 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!**

from Freepik.com

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Practicals

Write your own R scripts!

Anywhere from 10 ~ 30 programming tasks. Starts easy, gets **progressively more challenging**.

Go at your **own pace** and finish as much as you can. We have a **diverse group** with different backgrounds and interests, we love that!

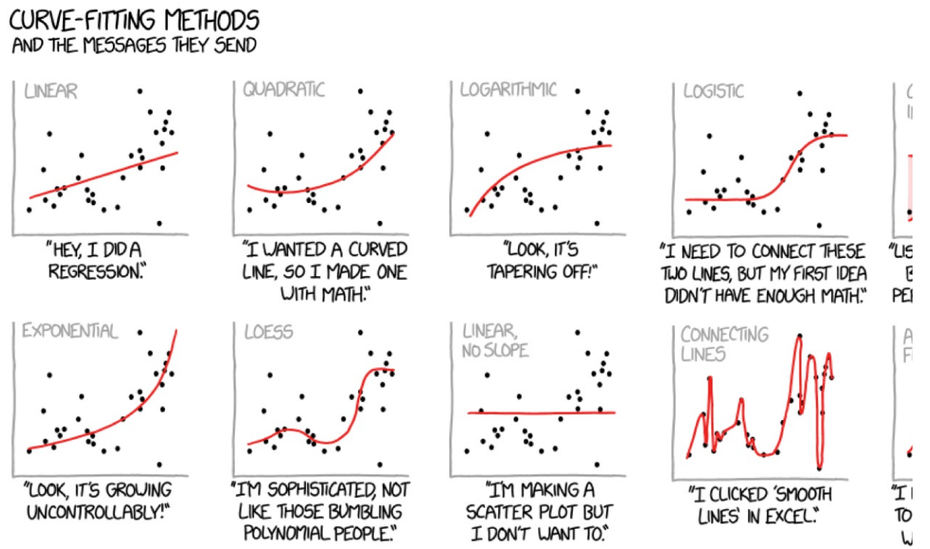
We'll give you all the **answers later**.

Be interactive! **Ask questions!**

Fitting

Machine Learning with R

(https://therbootcamp.github.io/ML_2019Oct/) (https://therbootc



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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.

from geek-and-poke.com

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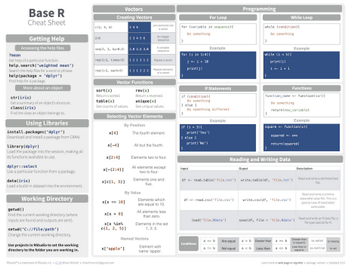
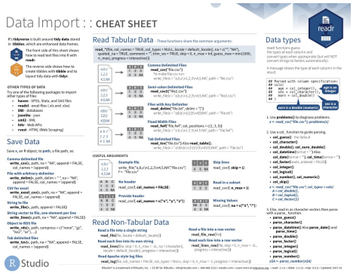
Cheatsheets

Base R



Data Import



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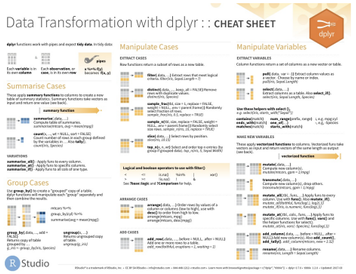

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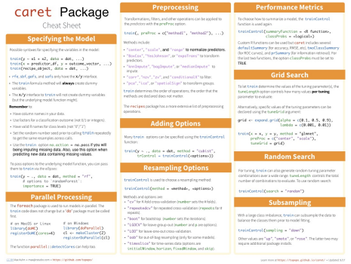

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Breaks

Programming is exhausting! **Take breaks** when you need them!

Help yourself to **refreshments** and as much coffee as you can drink.

Lunch on your own or **walk with the group** to **Tibits** or the **Union Diner**

Be back in the room at **13:00 sharp** so we can continue learning!

from Tibits.ch

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Introductions

1. What is your name?
2. Where are you from?
3. What is your current profession?
4. What is your programming experience with R and in general?
5. What is your experience with ML?
6. What would you most like to do with ML?
7. Coffee or tea?
8. Beer or wine?
9. Berlin or Paris?

from artofmanliness.com

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Schedule

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