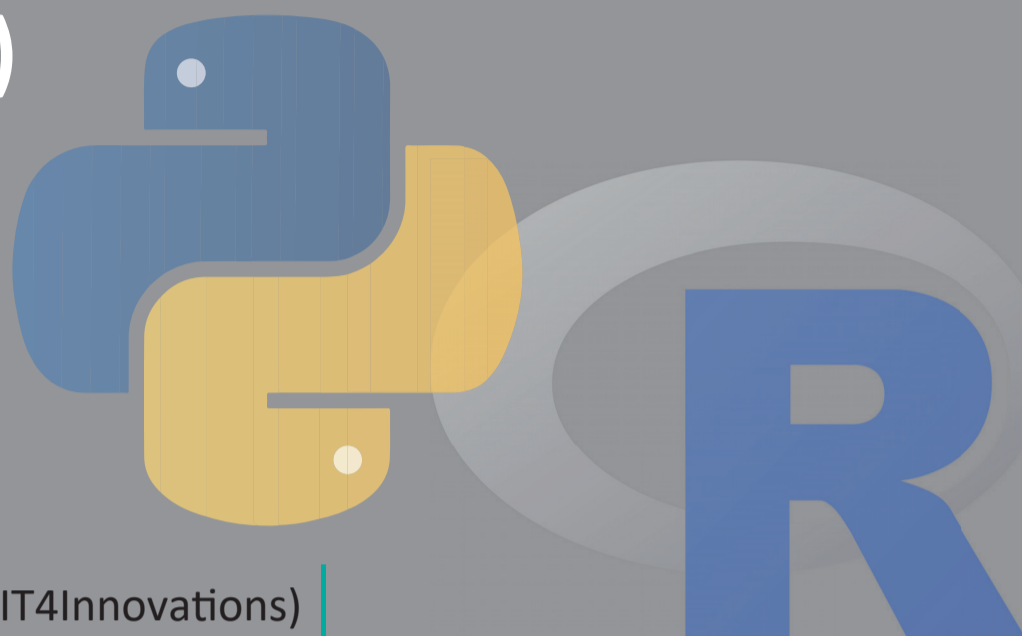


DATA SCIENCE WITH R AND PYTHON

(PRACE Training Course)

24–25 April 2019

VŠB – Technical University of Ostrava
 IT4Innovations building
 training room



Lecturers | Tomáš Martinovič, Stanislav Böhm (IT4Innovations)

The **R part** of course (first day) will be focused on presenting the basics of **data analysis** in R and **visualization** of data. The course will cover the introduction to the R statistical language introducing the basic data types and workflow. Afterwards, packages from the “tidyverse” collection will be presented. These includes packages for the loading of data, preprocessing data, basic data exploration, and visualization.

The **Python oriented part** (second day) will introduce essential **data-scientific packages** and will be complemented with hands-on exercises that will demonstrate their usage with real world data analytic problems, and showing how to tackle such problems.

The course will be up to 50% hands-on exercises covering all topics to practice the techniques, and patterns gained.

Wednesday 24 April 2019

09:30–10:00	registration
10:00–11:30	Data import in R Tidying data in R Hands-on
11:30–13:00	lunch
13:00–14:30	Exploratory analysis with tidyverse in R Hands-on
14:30–15:00	coffee
15:00–16:30	Advanced data visualization and analysis with ggplot2 and trelliscopejs in R Hands-on and Q & A

Thursday 25 April 2019

09:45–10:45	Introduction to Pandas
10:45–11:00	coffee
11:00–12:00	Hands-on
12:00–13:00	lunch
13:00–14:30	Exploratory analysis in Pandas



More information & registration:
events.prace-ri.eu/event/869