

Using R for HPC Data Science

IT4Innovations
national
supercomputing
center

October 6 – 7, 2016

VŠB – Technical University of Ostrava
IT4Innovations building, room 207

Tutor: George Ostrouchov
Oak Ridge National Laboratory and University of Tennessee

Level:
intermediate

Language:
English

October 6, 2016

09:30 – 10:00	Registration
10:00 – 11:30	Introduction and basics: RStudio, ggplot2, Markdown/knitr
11:30 – 13:00	Lunch break
13:00 – 14:30	Faster R: Speeding up serial R code
14:30 – 15:00	Coffee break
15:00 – 16:30	Parallel programming paradigms and multicore parallel R
16:30 – 17:00	Coffee break
17:00 – 18:00	Distributed R: SPMD and PbdMPI

October 7, 2016

09:00 – 10:30	Matrix computations with pbdDMAT
10:30 – 11:00	Coffee break
11:00 – 12:45	Distributed R: Reading from a Parallel File System
12:45 – 14:00	Lunch break
14:00 – 15:30	TBD (R client/server SPMD and/or distributed+multicore)

More information and registration at:
<http://training.it4i.cz/en/RforHPC-10-2016>

Deadline for registration: [September 29, 2016](#)



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