Unix and work with genomics data (MB170C47)

Libor Mořkovský, Václav Janoušek

Vaclav Janousek, PhD

- **PhD** Biology, Department of Zoology, Prf UK

- **Focus areas** bioinformatics, genomics, machine learning in biology

- **Programming languages** Python, R, bash

- **Current position** Bioinformatics & data science consultant/contractor ([Biodviser](#))

Libor Morkovsky, PhD

PhD Biology, Department of Zoology, Prf UK

Focus areas machine learning, HPC, security, genetics, sociology

Programming languages Python, R, bash, Go, C++, x86 assembly, JavaScript

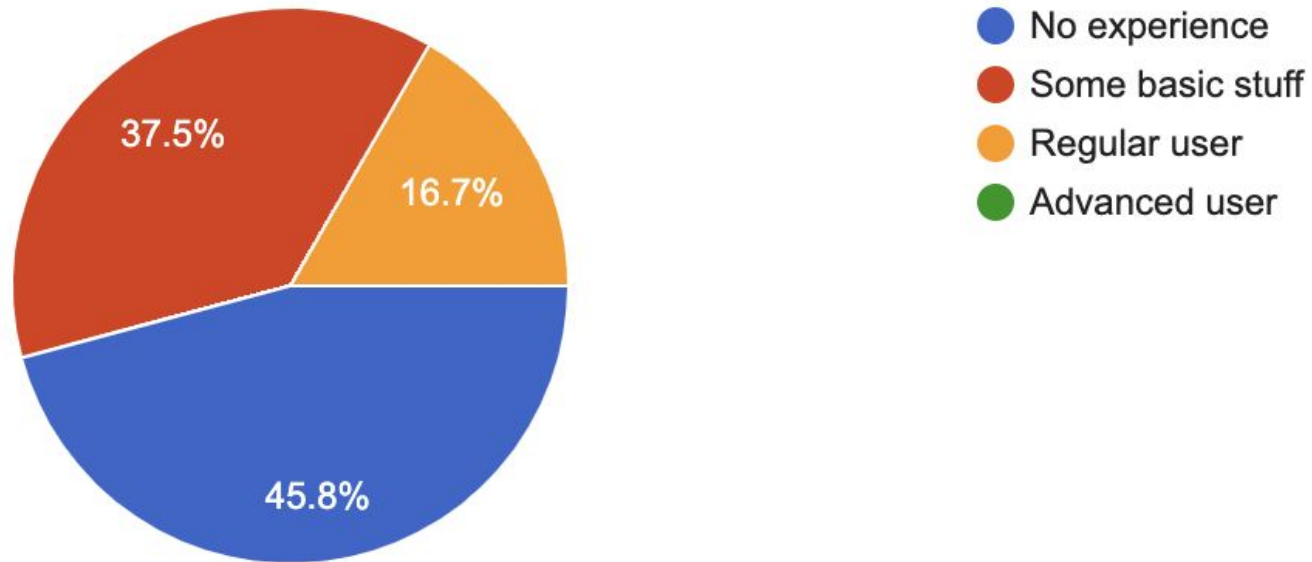**Current position** CTO, [Behavio Labs](#)

Github [libor-m](#)

Your turn now…

Please tell us about yourself

- Your name

- What is your are of interest?

- What are you planning to do with the knowledge you will get from this course?

Unix Experience

- No experience
- Some basic stuff
- Regular user
- Advanced user

37.5%

16.7%

45.8%

Course Schedule

Friday 24.11.2020	
Afternoon (14-18h)	Course intro Introduction to Unix Basics of Unix

Saturday 25.11.2020	
Morning (9-12h)	Genomics data Text file processing
Lunch break (~1.5h)	
Afternoon (13.30-17h)	Project management in Unix Graphics

Sunday 26.11.2020	
Morning (9-12h)	Variant quality Introduction to Git
Lunch break (~1.5h)	
Afternoon (13.30-17h)	Bioinformatics pipelines Remote computing and cloud

Important Links

Website https://ngs-course.readthedocs.io

Slack https://ngs-course.slack.com