Welcome to the ABC

abc.au.dk

BIOINFORMATICS CORE FACILITY

13.June 2024

Health
Data Science
Sandbox

The ABC concept

- Bi-weekly Informal venue
  - Independent sessions
  - **All documented** at abc.au.dk
- Open to any coding/bioinf experience level
- Integrated into the supporting infrastructures

The ABC format

- 15 min intro
  - What's new
  - Accessible delving into a topic

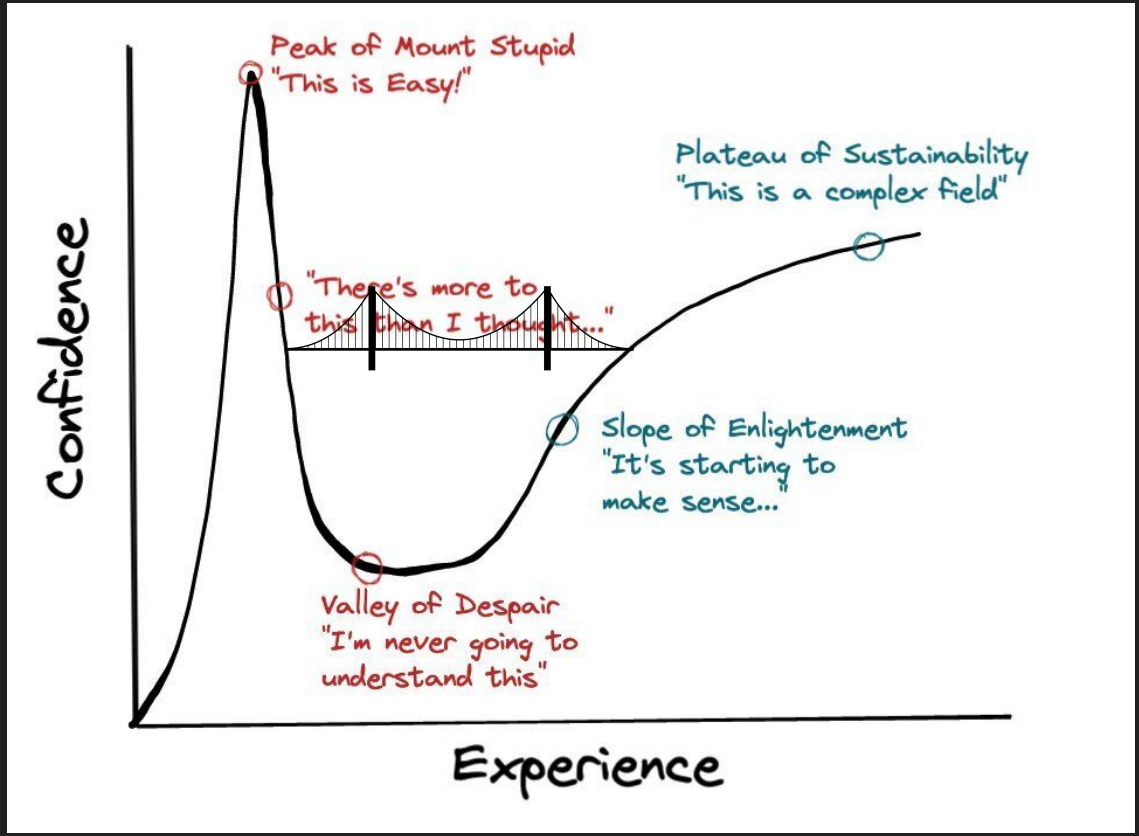
- Anyone showing something cool or useful?

- Coding support and code-together
  - python, R, bash
  - HPC, technicals
  - various omics (scRNA, bulkRNA, genomics, …)

- Periodical proposal of workshops, tutorials, in-depth sessions

The ABC aim

- Reducing or avoiding the frustration phase
- Learn new things without the stress of formal meetings
- Stay up-to-date
- Know what other people do to code and analyze data

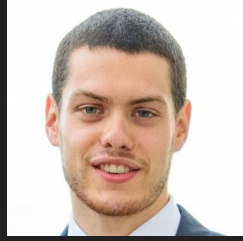


Who we are & What we do

BIOINFORMATICS CORE FACILITY

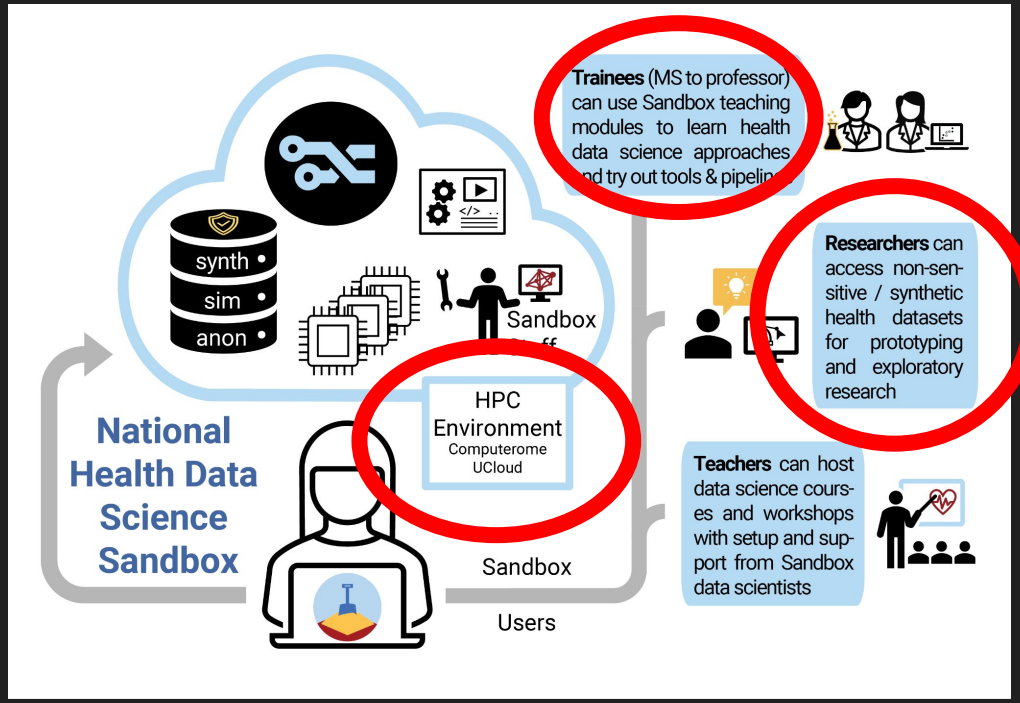
Health
Data Science
Sandbox

samuele@birc.au.dk



Samuele

Health Data Science Sandbox @ BiRC



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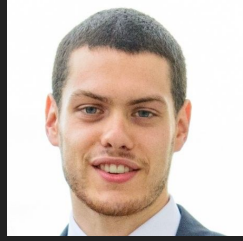


Samuele

What are my tools / What I can help with at the cafe

Languages	Data	Tools
		HPC
R	Genomics	Github
Python	Bulk RNA	Conda
Bash	Single cell RNA	JupyterLab
Docker	- Spatial	Latex
Some C++	- ATACseq	Quarto / Markdown
Matlab (!?)	Some proteomics	Some RStudio

BIOINFORMATICS CORE FACILITY

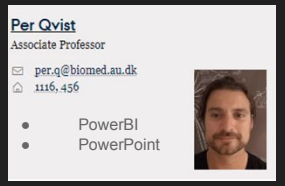
Established **autumn 2022**

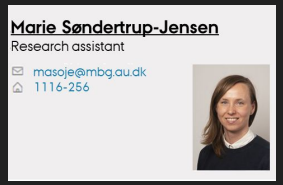
Aim: to provide basic bioinformatics training, services as well as full-scale scientific collaborations for all scientists at Aarhus University as well as external academic and industrial partners.

- One priority is **to provide biologist-friendly solutions** to implement the use of OMICs and other large-scale data at the Department of Biomedicine.

Core activities:

- Data analysis
- Consultation
- Training
- Research collaboration
- Knowledge dissemination
- Fundraising





SCAN ME

Now: poll

- At menti.com
- Use code: 1412 3273

- The next ABC (and last before the summer holidays) is Thursday the 27th June 2024

Exercises

- A: download and install R
- B: basic R commands
- C: work on your own data