Introduction to machine learning in biomedical research - Part A*

*) There is no part B this year

Course on Github

https://github.com/Center-for-Health-Data-Science/IntroToML

Note that it will change during the course

Machine learning is a very broad topic

We will cover the basics

- PCA, logistic regression, and other standard methods

- Basics of neural networks (feed-forward)

- The course is very practical:
  - Many exercises/practicals
  - The last two days consists of project work

- After the course you can do basic machine learning in python

We are using Google Colaboratory: colab.research.google.com

You can also run on your own computer (jupyter notebooks)

Welcome to Colab!

If you're already familiar with Colab, check out this video to learn about interactive tables, the executed code history view, and the command palette.

What is Colab?

Colab, or "Colaboratory", allows you to write and execute Python in your browser, with

- Zero configuration required
- Access to GPUs free of charge
- Easy sharing

Whether you're a **student**, a **data scientist** or an **AI researcher**, Colab can make your work easier. Watch Introduction to Colab to learn more, or just get started below!

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Foundations of Health Data Science

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Courses

22 Apr. - 29 Apr. 2024

Introduction to Machine Learning in Biomedical Research (April 2024)

This is a week course on Machine Learning and its application in biomedical research. You will:

...

22 May 2024, 9:00-16:00

Git & GitHub (May 2024)

This introductory workshop is intended for researchers at SUND who are interested in learning how t...

24 May - 27 May 2024

From Excel to R (May 2024)

A 2-day introductory course targeted towards SUND researchers with no (or very limited) experience...

6 June 2024, 8:15-15:30

Foundations Of Health Data Science (June 2024)

📅 Thursday, 6 June 2024 📍 Room: 7.15.122 ⏱ 8.15 - 15.30 ➡️ Register here Are you ready to...

10 June - 12 June 2024

Python Tsunami (June 2024)

A 3-day introductory course targeted towards SUND researchers with no (or very limited) experience...

17 June - 19 June 2024

Introduction to Bulk RNAseq analysis (June 2024)

A 3-day introductory course targeted towards SUND researchers to learn how to do RNA-seq analysis....

Enjoy the course!