

# The ABC of Computational Text Analysis

*#10 DATA ANALYSIS OF SWISS MEDIA*

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# Recap last Lecture

- introducing Python 
- learning programming concepts & syntax  
data types, loops, indexing, functions...
- working with VS Code Editor

# Outline

- Get ready for the mini-project 
- Curate data on SwissDox 
- Perform Media Analysis with Pandas 

# Mini-Project

Present your project on 1 June 2023

- analyze any collection of documents
    - compare historically
    - compare between actors
  - requirements
    - apply quantitative measures on multiple documents
    - interpret results
    - share executable script
  - form groups of 2-4 people
- ! share your project idea [here](#) by 18 May 2023

# Optional Seminar Paper

- writing a seminar paper (6 ECTS)
- get in touch to discuss your idea

# Python Script vs Jupyter Notebook

- combine text and code in a single document  
similar to R Markdown
- open in VS Code
- run code with the play button left to the cell or with CTRL+Enter

# Modules/Packages

No programming from scratch 🎉

- packages provide more objects and functions
- packages need to be installed additionally

```
# import third-party package
import pandas
import spacy
import plotnine
```



Questions?



