Materials for seminar conferences

Week: June 4th, 2020

- Goals
    - Starting the Jupyter Lab working environment
    - Structure of the page
        - In the sense of "literate programming" (Donald Knuth)
        - Explanatory narrative text
        - Comprehensible part of the program by others
    - Rules of construction
        - Not too lengthy notebooks, few tasks
        - only required textual explanations
    - Hilfe/Tutorials/Info jeder Art
    - Project considerations
    - Title and description of the task
    - Programmes
        - Import of libraries
        - Import of sources, raw data
        - Process and perform data wrangling -> generating research data
- Info material of the seminar class repository
    - projects: Content of text, data and notebooks for each project
    - posts:
        - packages: info about installation, packages, tutorials
        - course: Information from Gerd Graßhoff accompanying the seminar
        - solutions: small info addressing tasks and challenges
- Jupyterlab
    - Title, Task
    - import of program libraries
    - Importing research sources
    - creation of research data
    - Python tips
        - Define functions
        - Pandas Functions
            - read
            - .head()
            - Copy, slice

- - - Filtering of subsets
    - Searching with regular expressions
- Spacy and the art of linguistic analysis
  - 2 lines to set up
  - From text to doc
  - What are and can Docs
  - Spacy Tutorials