

Analiza wielowymiarowa

Środowisko Pracy

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Zajęcia 1
7 października 2021

Narzędzia

- STATA 17 <https://www.wne.uw.edu.pl/pl/wydzial/pracownia-informatyczna/>
- anaconda (e.g. python packages i jupyter/jupyterlab)
<https://www.anaconda.com/products/individual>
- git clone <https://github.com/Polkas/AW2021> albo
ściągnięcie i rozpakowanie
- Uzupełnienie AW2021/spec.yaml w tym otrzymanym hasłem
od prowadzących

Odtworzenie Środowiska Pracy - Reprodukowalność

- terminal (zsh lub bash) oraz conda.
- Anaconda Navigator - GUI.

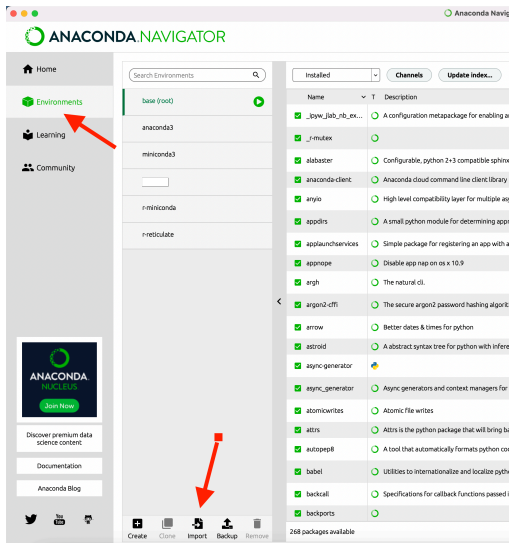
Komputery prywatne - terminal

- `conda create --yes --name py38_aw_wne python=3.8.11`
- `pip3 install -r requirements.txt`
- `jupyter lab`

WNE - conda - menadżer pakietów - terminal

- `conda env create --file ./AW2021/environment.yaml`
`[--name py39_aw]`
- `conda activate py39_aw`
- `jupyter lab`
- Lista najważniejszych poleceń conda-y
https://docs.conda.io/projects/conda/en/4.6.0/_downloads/52a95608c49671267e40c689e0bc00ca/conda-cheatsheet.pdf

WNE - Anaconda Navigator 1



ANACONDA NAVIGATOR

Home

Environments

Learning

Community

base (root)

anaconda3

miniconda3

n-miniconda

n-reticulate

Import

Create Clone Import Backup Remove

268 packages available

Name	Description
✓ _ipyw_lab_nb_ex...	○ A configuration metapackage for enabling a
✓ _r-mutex	○
✓ alabaster	○ Configurable, python 2+3 compatible sphinx
✓ anaconda-client	○ Anaconda cloud command line client library
✓ anyio	○ High level compatibility layer for multiple as
✓ appdirs	○ A small python module for determining app
✓ applaunchservices	○ Simple package for registering an app with a
✓ appnope	○ Disable app nap on os x 10.9
✓ argh	○ The natural cli.
✓ argon2-cffi	○ The secure argon2 password hashing algorit
✓ arrow	○ Better dates & times for python
✓ astroid	○ A abstract syntax tree for python with infere
✓ async-generator	○
✓ async_generator	○ Async generators and context managers for
✓ atomicwrites	○ Atomic file writes
✓ attrs	○ Attrs is the python package that will bring bi
✓ autopep8	○ A tool that automatically formats python co
✓ babel	○ Utilities to internationalize and localize pyth
✓ backcall	○ Specifications for callback functions passed i
✓ backports	○

WNE - Anaconda Navigator 2

The screenshot displays the Anaconda Navigator application window. On the left sidebar, the 'Environments' tab is selected, indicated by a red arrow. The main panel shows a list of environments: 'base (root)', 'anaconda3', 'miniconda3', 'n-miniconda', and 'n-reticulate'. Below this list, a red arrow points to the 'Import' button in the bottom toolbar. An 'Import Environment' dialog box is open in the foreground, showing the 'Local drive' option selected. The file path '/Users/maciej.nasinski/Documents/AW/environment.yaml' is entered, and the new environment name is 'py39_aws'. The dialog also includes a checkbox for 'Overwrite existing environment' and 'Cancel' and 'Import' buttons.

Import Environment

Import from:

- ☒ Local drive
 - /Users/maciej.nasinski/Documents/AW/environment.yaml
- ☐ Anaconda Nucleus
 - Sign in to save your environment

New environment name:

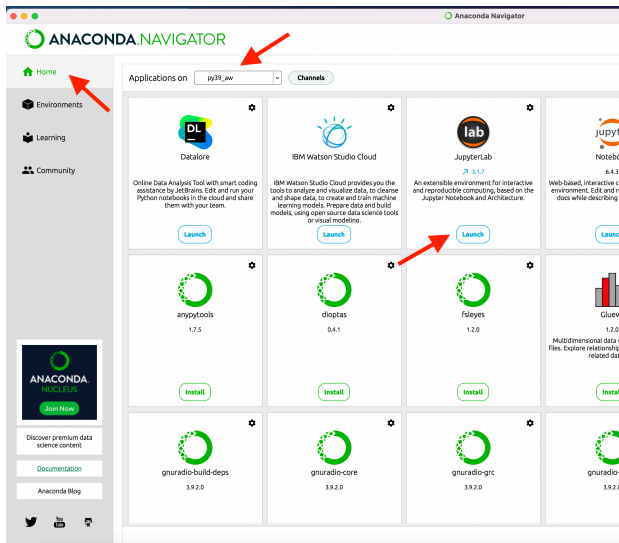
py39_aws

☐ Overwrite existing environment

Cancel Import

268 packages available

WNE - Anaconda Navigator 3



Brak Anaconda

```
pip3 install -r requirements.txt  
jupyter lab
```

Uaktualnienie Repozytorium AW2021

```
cd AW2021 zmiana ścieżki na AW2021  
git pull
```

STATA i python

- Dokumentacja pakietu pystata
<https://www.stata.com/python/pystata/index.html>
- Nasz GUI jupyter <https://jupyter.org/> oraz użycie wraz ze STATA <https://www.stata.com/new-in-stata/jupyter-notebooks/>

Kto pyta, nie błądzi

- Forum dla statystyków i programistów - stackoverflow i kategoria cross validated <https://stackoverflow.com/>

Python - źródła

- Python for Everybody <https://py4e.pl/book.php> or
Python Crash Course
https://github.com/ehmatthes/pcc_2e
- Znana strona z materiałami o pythonie
<https://realpython.com/>