

Analiza wielowymiarowa

Środowisko Pracy

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Zajęcia 1
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- 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

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

- `conda create --yes --name py38_aw_wne python=3.8`
- `conda activate py38_aw_wne`
- `pip3 install -r ./AW2021/requirements.txt`
- `?OPCJONALNIE conda install
SYSTEM_SPECYFICZNE_JAK_PYWIN32`
- `jupyter lab`

- `conda env create --file ./AW2021/environment.yaml`
- `conda activate py38_aw_wne`
- `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

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Documentation

Anaconda Blog

Create Clone Import Backup Remove

Search Environments

base (root)

anaconda3

miniconda3

n-reticulate

Installed Channels Update index...

| 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 algori |
| ✓ arrow | ✓ Better dates & times for python |
| ✓ astroid | ✓ A abstract syntax tree for python with infer |
| ✓ async-generator | ✓ |
| ✓ async_generator | ✓ Async generators and context managers for |
| ✓ atomicwrites | ✓ Atomic file writes |
| ✓ attrs | ✓ Attrs is the python package that will bring b |
| ✓ autotepe8 | ✓ A tool that automatically formats python co |
| ✓ babel | ✓ Utilities to internationalize and localize pyth |
| ✓ backcall | ✓ Specifications for callback functions passed i |
| ✓ backports | ✓ |

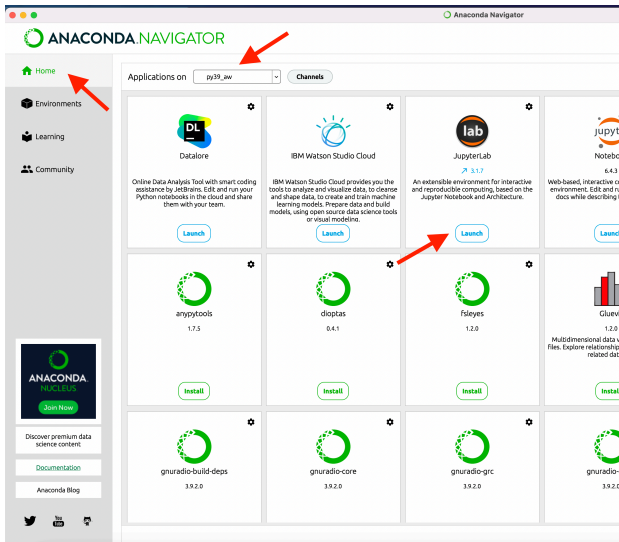
268 packages available

WNE - Anaconda Navigator 2

The screenshot displays the Anaconda Navigator 2 application window. The interface is divided into several sections:

- Left Sidebar:** Contains navigation links for Home, Environments (highlighted with a red arrow), Learning, and Community. At the bottom, there are icons for Create, Clone, Import (highlighted with a red arrow), Backup, and Remove.
- Search Environments:** A search bar at the top of the Environments panel.
- Environments List:** A list of installed environments including base (root), anaconda3, miniconda3, n-miniconda, and n-reticulate.
- Channels and Update Index:** Buttons at the top right of the main panel.
- Environment List Table:** A table with columns Name and Description, listing various channels and their descriptions. The 'Import Environment' dialog box is overlaid on this table.
- Import Environment Dialog:** A modal window titled 'Import Environment' with the following fields:
 - Import from:** Radio buttons for 'Local drive' (selected) and 'Anaconda Nucleus'. The 'Local drive' option has a text field containing '/Users/maciejasinski/Documents/AW/environment.yaml'.
 - New environment name:** A text field containing 'py39_aws'.
 - Overwrite existing environment:** A checkbox that is currently unchecked.
 - Buttons:** 'Cancel' and 'Import' buttons at the bottom right.

WNE - Anaconda Navigator 3




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

```
cd AW2021 zmiana ścieżki na AW2021
```

```
MOZE BYC POTRZEBNY - git stash lub git commit -am  
"opis"
```

```
git pull
```

- 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/>

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

- 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/>