

Analiza wielowymiarowa

Środowisko Pracy

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Zajęcia 1
7 października 2021

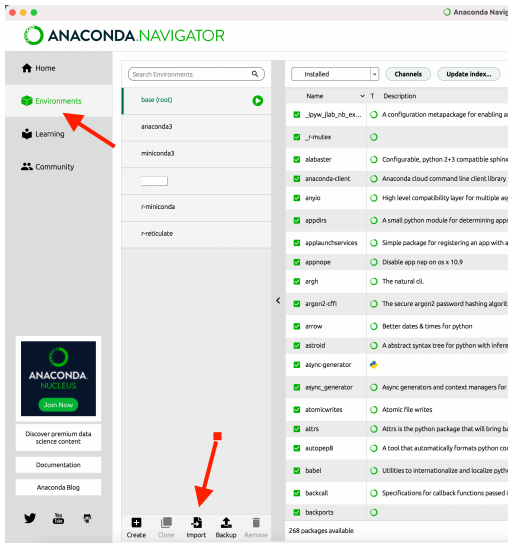
- STATA 17 <https://www.wne.uw.edu.pl/pl/wydzial/pracownia-informatyczna/>
- anaconda (e.g. python packages i jupyter/jupyterlab)
<https://www.anaconda.com/products/individual>
- git clone <https://github.com/Polkas/AW2021> albo
ściągnięcie i rozpakowanie
- Uzupełnienie AW2021/spec.yaml w tym otrzymanym 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 requirements.txt`
- `?OPCJONALNIE conda install
SYSTEM_SPECYFICZNE_JAK_PYWIN32`
- `jupyter lab`

- `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

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Create Clone Import Backup Remove

base (root)

anaconda3

miniconda3

r-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 application window. On the left sidebar, the 'Environments' tab is selected, indicated by a red arrow. Below the sidebar, the 'Import' button in the bottom toolbar is highlighted with a red arrow. The main panel shows a list of installed environments, including 'base (root)', 'anaconda3', 'miniconda3', 'n-miniconda', and 'n-reticulate'. A modal dialog titled 'Import Environment' is open in the center, with a red arrow pointing to the 'Local drive' radio button. The dialog shows the file path '/Users/maciejasinski/Documents/AW/environment.yaml' and the new environment name 'py39_aws'. The 'Import' button at the bottom right of the dialog is highlighted with a red arrow. The background shows a list of installed packages, including 'async_generator', 'atomicwrites', 'attrs', 'autopep8', 'babel', 'backcall', and 'backports'.

ANACONDA NAVIGATOR

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Search Environments

base (root)

anaconda3

miniconda3

n-miniconda

n-reticulate

Installed Channels Update Index...

Name Description

✓ _ipyw_lab_ex... A configuration metapackage for enabling anaconda-bundled jupyter extensions

✓ r-mutex

✓ alabaster

✓ anaconda-client

✓ anyio

✓ appdirs

✓ applaunchservices

✓ appnope

✓ argh

✓ argon2-cffi

✓ arrow

✓ astroid

✓ async-generator

✓ async_generator Async generators and context managers for python 3.5+

✓ atomicwrites Atomic file writes

✓ attrs Attrs is the python package that will bring back the joy of writing classes by relieving

✓ autopep8 A tool that automatically formats python code to conform to the pep 8 style guide

✓ babel Utilities to internationalize and localize python applications

✓ backcall Specifications for callback functions passed in to an api

✓ backports

268 packages available

Import Environment

Import from:

☒ Local drive

/Users/maciejasinski/Documents/AW/environment.yaml

☐ Anaconda Nucleus

Sign in to save your environment

New environment name:

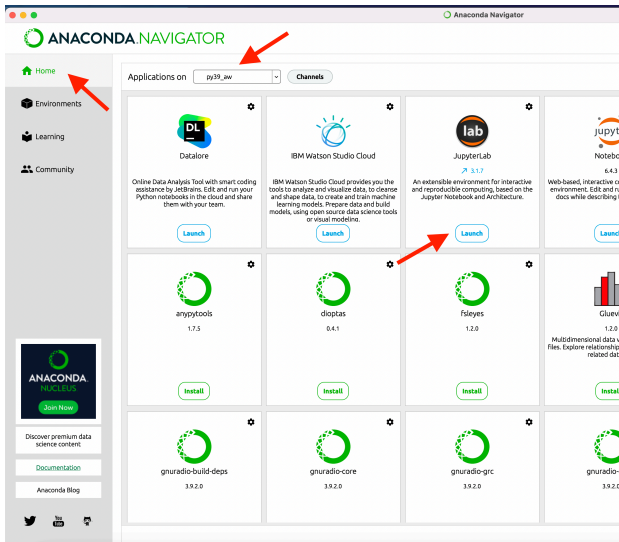
py39_aws

☐ Overwrite existing environment

Cancel Import

Create Clone Import Backup Remove

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```
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/>