**Installing GDS-add-top-n-nodes-tracing using Anaconda**

**Fast version:**

1. Create an environment using the Anaconda Prompt

**C:\Users\natha>conda create -n gdsaddn python=3.9**

1. In Anaconda Navigator switch to that environment at the dropdown menu after “Applications on”
2. Install for that environment Spyder (You can also install PyCharms if you prefere).
3. Open Spyder for the gdsaddn environment.
4. On the IPython console run:

**pip install C:\Users\natha\Documents\GDS-add-top-n-nodes-tracing**

After this it is still necessary to install the dependencies.

**Slow version to install all dependencies**

1. Create an environment for the project using the Anaconda Prompt (It is possible to install all dependencies in one line using something like *conda create -n gdsaddn python=3.9 pandas=1.3.3 numpy=1.21.2 simplejson=3.17.5 networkx=2.6.3 plotly =5.3.1 neo4j =4.3.6 …*) However, many packages are not available where conda looks

**C:\Users\natha>conda create -n gdsaddn python=3.9**

Note that the directory will be different for other operating systems, this is for Windows 11

1. Agree

**Proceed ([y]/n)? y**

*#*

*# To activate this environment, use*

*#* ***$ conda activate gdsaddn***

*# To deactivate an active environment, use*

*#* ***$ conda deactivate***

1. Add the required libraries

**conda install -n gdsaddn pandas=1.3.3**

**conda install -n gdsaddn numpy=1.21.2**

**conda install -n gdsaddn simplejson=3.17.5** \*This one is not in the repository

**conda install -n gdsaddn networkx=2.6.3**

**conda install -n gdsaddn plotly=5.3.1** \*This one is not in the repository

**conda install -n gdsaddn neo4j=4.3.6** \*This one is not in the repository

**conda install -n gdsaddn scipy=1.7.1**

**conda install -n gdsaddn openpyxl=3.0.9**

# scipy dependencies (according to this: https://www.scipy.org/install.html#installing-via-pip)

**conda install -n gdsaddn matplotlib=3.4.3**

**conda install -n gdsaddn ipython=7.28.0** \*This one is not in the repository

**conda install -n gdsaddn jupyter=1.0.0**

**conda install -n gdsaddn sympy=1.9**

**conda install -n gdsaddn nose=1.3.7**

# pandas dependencies

**conda install -n gdsaddn xlsxwriter=3.0.1**

[dev-packages]

**conda install -n gdsaddn black=21.9b0** \*This one is not in the repository

**conda install -n gdsaddn pre-commit=2.15.0** \*This one is not in the repository

**conda install -n gdsaddn pytest=6.2.5** \*This one is not in the repository

1. Now for the dependencies that are not in the repository, so now I decided to activate the environment and use pip.

(base) C:\Users\natha>**conda activate gdsaddn**

(gdsaddn) C:\Users\natha>**pip install pytest==6.2.5**

**pip install pre-commit==2.15.0**

**pip install black==21.9b0**

**pip install ipython==7.28.0**

**pip install neo4j==4.3.6**

**pip install plotly==5.3.1**

**pip install simplejson==3.17.5**

1. I went to Anaconda Navigator, on Home, I selected the gdsaddn environment, installed spyder for gdsaddn, opened spyder.
2. On the console

**pip install C:\Users\natha\Desktop\DTU\GDS-add-top-n-nodes-tracing**

Successfully built lifelike-gds

Installing collected packages: lifelike-gds

Successfully installed lifelike-gds-0.0.1