**Installing GDS-Public using Anaconda**

**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 gds 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 gds 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 gds***

*# To deactivate an active environment, use*

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

1. Add the required libraries (It is also possible to do this using pip)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

# pandas dependencies

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

[dev-packages]

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

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

**conda install -n gds 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 gds**

(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 gds environment, installed spyder for gds, opened spyder.
2. On the console

**pip install C:\Users\natha\Desktop\DTU\GDS-Public**

Successfully built lifelike-gds

Installing collected packages: lifelike-gds

Successfully installed lifelike-gds-0.0.1

Using Visual Studio Code instead

5a) Open a bash terminal. (Here you can also create a conda environment and add all requirements)

6a) Activate the environment using ***$ conda activate gds***

7a) Open the directory where GDS-Public is located.

8a) ***$ pip install .***

Will install lifelike-gds-0.0.1 in the gds environment