

install miniconda / anaconda install R, add R to path "C:\Program Files\R\R-4.3.0\bin\x64"

create new env (named DataScience)

```
conda config --add channels conda-forge
conda config --set channel_priority strict
conda search r-base
conda create -n your_name_here python=3.X
conda activate your_name_here
conda install -c conda-forge r-base=4.X.X
conda install r r-essentials --channel conda-forge
conda install jupyter
```

In console type "R", R Console opens, install jupyter notebook

```
install.packages('IRkernel')
install.packages(c("tidyverse", "sf", "rnatrualearth", "rnatrualearthdata"))
IRkernel::installspec()
```

create requirments.txt `pip list --format=freeze > requirements.txt` in conda env

## Datenaufbereitung

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Führe `iso3166_to_countryName.py` aus damit aus dem Ländercode der Ländername erzeugt werden kann, wird im JupyterNotebook benötigt.