

# Guide to run Gain function on R

For the following command to work you need to have Conda installed. You can do it from here: <https://www.anaconda.com/download/>

## Create a new conda environment

Click on "Terminal" in RStudio or open your terminal or command prompt

Enter the following command to create a new Conda environment named gain\_env:

```
conda create --name gain_env
```

## Activate the new environment

```
conda activate gain_env
```

Once the environment is activated, you can install any Python packages you need using conda or pip. For the gain function to work properly you will need to install the following packages. It can take several minutes and you need to accept to install the dependencies

```
conda install tensorflow numpy keras  
conda install tqdm  
pip install argparse
```

Now you can come back to the R console, set as working directory the path where your "gain.py" function is stored (`setwd("~/your/path")`) and follow the Script\_gain.R

I noticed that the function is a bit unstable, sometimes gives NaN as results when executed. I don't know the reason yet