**#install reticulate package provided by R**

install.packages("reticulate")

**\*\*steps for the anaconda environment setup:**

Start menu 🡪 Anaconda Prompt open and then run the environment setup as:

1. conda create -n tf\_r\_env python=3.9

2. conda activate tf\_r\_env

3. pip install tensorflow==2.10.0 numpy==1.24.4 pandas scikit-learn scipy bayesian-optimization

**In R (or Rstudio)**

1. library(reticulate)

2. use\_condaenv("tf\_r\_env", required = TRUE)

3. py\_config()

4. tf <- import("tensorflow")

5. print(tf$version)

6. activate tf using:

conda activate tf\_r\_env

**install packages needed in the code**

pip install tensorflow==2.10.0 numpy==1.24.4 pandas scikit-learn scipy bayesian-optimization

**in R (or Rstudio) using the code below:**

install packages(“reticulate”)

library(reticulate)

use\_condaenv("tf\_r\_env", required = TRUE)

# Import the Python module

grvsn <- import("GRVSNNs\_")

# Run the pipeline

mse\_result <- grvsn$run\_training\_pipeline(

loadings\_path = "C:/Ppaer\_1/data/loadings.csv",

micedata\_path = "C:/Ppaer\_1/data/micedata.csv"

)

print(mse\_result)