Jupyter notebook to visualize our results after training PyTorch model

Please run this notebook from the notebooks directory.

Some useful links:

- https://learnxinmath.com/blog/jupyterlabtips/
- https://github.com/microsoft/vscode-jupyter/wiki/Setting-up-the-Jupyter-Lite-and-Debugging-for-Notebooks

Imports

```
%pylint --version
```

```
Pylint 2.6.0

astroid 2.4.2
Python 3.8.5+ (default, Jul 28 2020, 12:59:40) [GCC 9.3.0]
```

```
%load_ext pycodestyle_magic
%pycodestyle_on
```

```
%load_ext autoreload
%autoreload 2
import numpy as np
import matplotlib as mpl
%matplotlib inline
import pandas as pd
import seaborn as sns
import torch
import torchvision

from torch import torch, nn, nanmean
from torchvision import vision, transforms, ToTensor
import matplotlib.pyplot as plt
from sklearn import *
from sklearn.model_selection import train_test_split
from sklearn.preprocessing import StandardScaler, MinMaxScaler
from sklearn.metrics import *
from sklearn.ensemble import *
from sklearn.tree import *
from sklearn.neighbors import *
from sklearn.svm import *
from sklearn.linear_model import *
from sklearn.naive_bayes import *
from sklearn.gaussian_process import *
from sklearn.cluster import *
from sklearn.decomposition import *
from sklearn.datasets import *
from sklearn.manifold import *
from sklearn.compose import ColumnTransformer
from sklearn.impute import SimpleImputer, MissingIndicator
from sklearn.feature_selection import *
from joblib import dump, load
from os.path import *
from os import *
from glob import glob, iglob
from shutil.rmtree import rmtree
from shutil.copytree, copy2, copy, move, rmtree, disk_usage, chown, chmod
from PIL import *
from PIL.ImageOps import *
from numpy.random import *
from numpy.linalg import *
from numpy.fft import *
from numpy.ma.core import *
from numpy.polynomial.polynomial import polyfit, polyval
from scipy.stats.stats import *
from scipy.special.orthogonal import legendre, eval_legendre
from scipy.signal.signaltools import *
from scipy.signal.bsplines import cubic, quadratic
from scipy.signal.filter_design import *
from scipy.signal.fir_filter_design import *
from scipy.signal.lti_conversions import *
from scipy.signal.waveforms import *
from scipy.integrate.quadrature import *
from scipy.integrate.odepack import *
from scipy.integrate.quadpack import *
from scipy.integrate.vode import *
from scipy.integrate.lsoda import *
from scipy.integrate._ivp.common import *
from scipy.integrate._ivp.bdf import *
from scipy.integrate._ivp.lsoda import *
from scipy.integrate._ivp.rk import *
from scipy.integrate._ivp.base import *
from scipy.integrate._ivp.ivp import *
from scipy.integrate._ivp.radau import *
from scipy.integrate._ivp.rbdf import *
from scipy.integrate._ivp.dop853_coefficients import *
from scipy.integrate._ivp.dop853_dense import *
from scipy.integrate._
```