



IA353A - Neural Networks EFC3

Rafael Claro Ito
(R.A.: 118430)

July 2020

1 Source files

The Jupyter notebook with the code used to generate the plots and results presented in this report, all figures showed here and even the \LaTeX source code used to generate this PDF can be found at the following GitHub repository:

<https://github.com/ito-rafael/IA353A-NeuralNetworks-1s2020>

2 Q5 - Autoencoder

2.1 1) Improving classes distribution

<https://colab.research.google.com/drive/1N7auSaSqYvORHTUK031ZfX4upoA38-hI?usp=sharing>

2.2 2) CIFAR-10 DAE

<https://colab.research.google.com/drive/1v21h-yZRa7xRA1TcPUQR-H2eVin16VGy?usp=sharing>

3 Q6 - Time Series Forecasting

3.1 P1 - NYSP

3.2 P2 - NLTS

3.3 P3 - Sunspot

https://drive.google.com/file/d/1lC1S8KexCw_3wM_IMTYd2vussNTS1cDC/view?usp=sharing

4 Q7 - Interpretability

https://colab.research.google.com/drive/1qfos8-dzNBf2Wlg1XqOAoAL3KWB_hqgx?usp=sharing