Nonlinear regression and classification with MLPs

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Regression

In this problem, the objective is to approximate a nonlinear function using a feedforward artificial neural network. The first step is to build the dataset.

Define the dataset

First, The dataset must be constructed using the digits of the student number. The largest five digits in descending order are used, this is, **86541**.

Classification

Given my student number, r065081**4**, the dataset is constructed in the folliwing way:

- For the positive class, $C_+ = 4$

- For the negative class, $C_- = 5 + 6$

Appendix