

Python supplementary class for ML and PR

Note: Please Install a C/C++ compiler (comes with Visual Studio Community for Windows, Xcode for Mac) beforehand.

To be covered:

Jan 25, 5:30PM: Room 122

1. Install Anaconda, keras, tensorflow and a text editor.
2. Install other Python dependencies and Matlab equivalent libraries for the projects.

Jan 28th, 5:30PM: Room 217

3. Jupyter Notebooks and exporting python files
4. Python Basics: for loop running, while loop, print, sort array, indexing, vectorizing code in python, assigning and operating column vectors + column vectors, element-wise multiplication, quadratic programming and numpy arrays and dataframes.

Jan 31st, 5:30PM: Room 122

5. Get datasets in Python
6. Use Pandas to read and edit data convert it to mutable format.

Feb 1, 5:30PM: Room 122

7. 2D and 3D plotting
8. Introduction to Tensorflow math