Final project

Submit Assignment

* **Due** Aug 27 by 6:29pm
* **Points** 30
* **Submitting** a file upload

The final project is for 30 points and you are expected to work on an original idea that is substantial.  You can solve any scientific computing, machine learning, deep learning problem of your choice. If you would like to discuss the details of your project with me, feel free to email me.

You need to prepare a report in pdf format that will explain the work that you have done including any relevant screen-shot and Python program(s) that you have written. Please see the section "Project report details" (see below) for more information.

You will be evaluated based on the following:

1. Data preparation

2. Data visualization

3. Visualizing your computation

If you have any questions, we can discuss it during the class.

**Project report details**

Please format the final project report according to the instruction below.

1. Introduction  - This section, you should describe the problem that you are solving, any background information that will help the instructors to understand the program
2. Requirements  - List all the Python modules that need to be installed. If some of these modules need a specific version, please indicate so. You can also list any other conditions that are needed to run the program.
3. Description of the Python program. You need to describe the programs that you wrote.
4. Screenshots of the program output  - If you are using a specific hardware and cannot obtain screenshot, please enclose appropriate photographs
5. Conclusion -  Describe in brief the problem you solved, the program you wrote and obtained output.
6. Python program  - If the program is one file, please add it as one of the pages in the report. If the code is large and spans more than one file, enclose a separate zip file.

**Please make sure that the final report is in pdf format**