# Installation

Explain how to install/setup/run your project

In order to use the model or to run the project **we have created the model and the scale file**. Please follow the succeeding steps for fruitful and the proper formatted result. For the sake of the usage, we have created the deployment files i.e. scale and model file using the pythons pickle module (we have created the **model deployment files** which is being used for creating the API’s , Django and Flask Web Sites).

**Software Version** – You can install all the libraries using the ‘pip install command’. Also , this project is flexible to run on any version of library you are installing (since we have written the user defined functions and a generic code).

1. Open any python editor (Integrated Development Environment) or you can also use the Jupyter Notebook. To the customer centric deployment , the results can be generated in just four lines of code.
2. With this Project, We will share a zip file which consist of:

* absenteeism\_module.py (This python file consist of the methods and functions which will process the input data and generates the result).
* Absenteeism\_new\_data.csv (This is the input file which a user or a client will bring to use the model).
* Model (This model is the COCOM type executable model which generates the probability of the Absenteeism).
* Scaler (The scaler file act as the input file for any type of method and this is generated using the pickle module).

1. Create a python file in the same directory which you have extracted (Zip file) and open it.
2. Once you open the file using the Jupyter notebook or any other IDE , Import all the module from absenteeism\_module.py



1. Now , create a variable of your choice and import the model and scale under the absenteeism model method.



1. And now , Import the input data (the input data can be raw data with outliers and all other error prone components).



1. Now the fourth and the final step (yes it’s the last step), use your variable which you have used for storing the model and scale values. We have a dedicated method written in for generating the probability output and store your results in a csv for visualization and other purpose.



These all steps creates a dedicated output of the project in the form of the CSV file.

Note : You can also copy and paste (use) the same code for usage as well. These four lines of code can generate the predicitng results.