ReadMe – Group 35

The submitted folder for Group 35 consists of a total of 27 files that have been described as follows:

- BDMH_PPT consists the Presentation for the submitted project.
- BDMH_Report consists the Report of the submitted project that has been contributed by all the authors.
- Four code files have been presented: 2 in .ipynb format and the same 2 in .py format. They have been named as bdmh_project.py, bdmh_project_pps_pca.py, BDMH_Project.ipynb and BDMH_Project_PPS_PCA.ipynb. The first file contains codes for all the six models without feature selection, and the second code file consists of codes where feature selection using PPS and dimensionality reduction using PCA has been applied. Detailed information about these approaches is present in the project report.
- wdbc.csv is the dataset file consisting of 569 samples and 32 attributes.
- The remaining graphs and results have been separated in a folder named as "Graphs & Figures" and files prefixed with 'p1' and 'p2'. 'p1' prefix explains the fact that it was obtained from code file 1(without PPS and PCA), while the 'p2' prefix explains that it has been obtained from code file 2(with PPS and PCA).

How to run the code?

- Open the .ipynb notebook in jupyter notebook or directly execute .py python program through python shell or any IDE such as PyCharm.
- Keep the dataset file(wdbc.csv) in the same folder as the code.
- Provide the path of this csv file in the initial cell of the code.
- Run all the cells of the file sequentially.
- The submitted results will be reproduced as it is.