NNFS - Exp. No-4: Linear Regression

(Posted on <10 November, 2022>, Submission Deadline <20 November, 2022>)

Problem Statement-

In Module-3 we learned the concept of regression. In statistics, linear regression is a linear approach for modeling the relationship between a scalar dependent variable y and one or more independent variables (or regressor variables) denoted X. The case of one
An independent variable is called simple linear regression. In linear regression, the relationships are modeled using linear predictor functions whose unknown model parameters are estimated from the data. Such models are called linear models. To further understand and explore this area, we covered one example of "Predicting the risk of having heart disease using Linear Regression"

Rubric for Grading Submission

You need to submit your report for evaluation on a scale of 10. The report shall consist of your understanding of the problem, code, results, novelty (if any) and conclusions. Following rubric shall be used for grading your submission-

Marks	Criteria	Exhibits
0	No submission within deadline	-
1-5	Used code in the link as it is without any changes. No novelty. Marks based on the presentation and time of submission.	Successfully installed and executed the code
6-8	Changes in the code resulting in better accuracy, time of submission	Demonstrate need and effect of changes
9-10	Your own creativity & novelty	Demonstration of novelty