Machine Learning

Assignment 5 – Model Building

Group 3

We build two files on the assignment we submitted in Week 12 as our Main File.

Now, we will submit two files one file as

File1 = ML Assignment6 (Main)

File2 = SecondaryFile

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| Names | Contribution |
| Devendra Singh Shekhawat | ( Decision Tree and Empirical Tuning (separately)) in File1 |
| Gaurav Singh | (Random Forest and Empirical Tuning (separately)) in File1 |
| Swetha Tanikonda | (( All Empirical Tuning Together ) and Local Feature Importance of Decision Tree) in File 1 |
| Sushma Rangisetti | ( Decision tree,feature importance and empirical tuning of decision tree ) in File2 |
| Venkat Sai Rangisetti | (Random forest,feature importance and empirical tuning of Random forest ) in File2 |
| Bikky Singh | ( Global Feature Importance of Decision Tree , Sensitivity Analysis on both Models ) in File1 |
| Jankiba Viralsinh Zala | (Complete Feature Importance of Random Forest) in File1 |

A graph with numbers and lines

Description automatically generated with medium confidence

Here, we used a sample size of 1000 and we got better results. But due to less computational power as it took 5 hours and we cannot run it again as it is time consuming.