**Capstone Project Submission**

**Instructions:**

i) Please fill in all the required information.

ii) Avoid grammatical errors.

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| **Team Member’s Name, Email and Contribution:** |
| Shajad [shehzadglocal786@gmail.com](mailto:shehzadglocal786@gmail.com) |
| **Please paste the GitHub Repo link.** |
| Github Link:- https://github.com/Shajad121/retail-sales-prediction.git |
| **Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-400 words)** |
| **This project is about the sales prediction of stores analysis. When we start this project it is very difficult to understand and look very complex.**  **In first step we identified and make clean the data . and after cleaning we find the empty values and replace them into mode values and zero values and the median values. In this project refined and visualisation both work done together. In first step we clean the data and then we merge the sales and the store data in the data there ate only four types of stores such as a,b,c,d. In this analysis we show that type b store have the more sales then others. And the sales is maximum at the 1st and last day of week probabaly its happen because of Sunday .and there are positive relationship between the sales and the costumer its means that if increase the no of customers leads to increase the sale of the stores. In this analysis we do some feature engineering and we convert the data into date time object and we convert some data inti the integers we delete some columns and add some other columns . in this analyses we use three type of algorithm 1st we use the decision tree on my model and after this we apply the 2nd algorithm that is random forest and we find that random forest is performing better then decision tree and the I do some cross validation of random forest and then we got the 95% accuracy .** |