|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Model\_missing \_value** | **Model Scaled** | **Classification**  **Model** | **ROC** | **Accuracy** | **F1** |
| 1. | RF | No | Logistic | 0.5 | 0.76 | 0 |
| 2. | RF | No | Decision Tree | 0.774 | 0.775 | 0.621 |
| 3. | Rf | No | XGB | 0.726 | 0.825 | 0.594 |
| 4. | Rf | No | RF | 0.703 | 0.811 | 0.556 |
| 5. | RF | No | Naïve Bias | 0.509 | 0.75 | 0.061 |
| 6. | RF | No | SVM Kernel | 0.5 | 0.76 | 0 |
| 7. | RF | No | KNN | 0.500 | 0.716 | 0.1445 |
| **Removing AVG\_Savings\_col** | | | | | | |
| 1. | RF | No | Logistic | 0.678 | 0.802 | 0.515 |
| 2. | RF | No | Decision Tree | 0.770 | 0.776 | 0.618 |
| 3. | Rf | No | XGB | 0.712 | 0.819 | 0.573 |
| 4. | Rf | No | RF | 0.693 | 0.797 | 0.537 |
| 5. | RF | No | Naïve Bias | 0.659 | 0.608 | 0.4793 |
| 6. | RF | No | SVM Kernel | 0.661 | 0.80 | 0.48 |
| 7. | RF | No | KNN | 0.654 | 0.78 | 0.47 |
| **Scaled, avg\_saving, age and vintage** | | | | | | |
| 1. | RF | Yes | Logistic | 0.687 | 0.0808 | 0.53 |
| 2. | RF | Yes | Decision Tree | 0.789 | 0.8 | 0.64 |
| 3. | Rf | Yes | XGB | 0.751 | 0.859 | 0.64 |
| 4. | Rf | Yes | RF | 0.734 | 0.837 | 0.611 |
| 5. | RF | Yes | Naïve Bias | 0.652 | 0.6 | 0.472 |
| 6. | RF | Yes | SVM Kernel | 0.713 | 0.83 | 0.579 |
| 7. | RF | yes | KNN | 0.699 | 0.810 | 0.55 |

Output\_1.csv = Section C, number = 2 score: 0.604677

Output\_2\_csv=SectionC, no:1 score: 0.56

Output\_3.csv = Section C, number = 2,prob score: 0.604677

Output\_4.csv=SectionC, NN score:44

Output\_5.csv=section c,nn full train score:42

Out\_6: X

Out\_7: adamax\_nn

Out:10: fltr score:59

Out:9: fltr score:60