
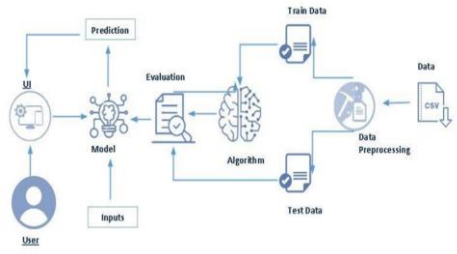
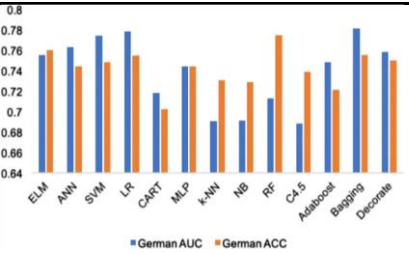


Project Development Phase
Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID01657
Project Name	Project - SMART-LENDER
Maximum Marks	10 Marks

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Screenshot / Values																																										
1.	Dashboard design	 <p>SMART LOAN PREDICTION</p> <p>Welcome back!!!</p> <p>Gender: <input type="text" value="Male"/></p> <p>Married: <input type="text" value="Yes"/></p> <p>Dependents: <input type="text" value="No of Dependents on you..."/></p> <p>Education: <input type="text" value="Graduate"/></p> <p>Self Employed: <input type="text" value="Yes"/></p>																																										
2.	Data Responsiveness	FAST (FLASK API CALLS) 3 ms average																																										
3.	Amount Data to Rendered (DB2 Metrics)	MEDIUM 50 calls to db per second																																										
4.	Utilization of Data Filters	NIL																																										
5.	Effective User Story	 <pre> graph LR User((User)) --> UI((UI)) UI --> Prediction[Prediction] UI --> Model((Model)) Model --> Evaluation[Evaluation] Evaluation --> Algorithm[Algorithm] Algorithm --> DataPreprocessing[Data Preprocessing] DataPreprocessing --> TestData[Test Data] TestData --> Data[Data] Data --> CSV[CSV] CSV --> DataPreprocessing </pre>																																										
6.	Descriptive Reports	 <table border="1"> <thead> <tr> <th>Model</th> <th>German AUC</th> <th>German ACC</th> </tr> </thead> <tbody> <tr><td>ELM</td><td>0.75</td><td>0.76</td></tr> <tr><td>ANN</td><td>0.76</td><td>0.75</td></tr> <tr><td>SVM</td><td>0.77</td><td>0.74</td></tr> <tr><td>LR</td><td>0.78</td><td>0.75</td></tr> <tr><td>CART</td><td>0.72</td><td>0.70</td></tr> <tr><td>MLP</td><td>0.74</td><td>0.74</td></tr> <tr><td>k-NN</td><td>0.69</td><td>0.73</td></tr> <tr><td>NB</td><td>0.69</td><td>0.73</td></tr> <tr><td>RF</td><td>0.71</td><td>0.77</td></tr> <tr><td>C4.5</td><td>0.68</td><td>0.74</td></tr> <tr><td>Adaboost</td><td>0.74</td><td>0.72</td></tr> <tr><td>Bagging</td><td>0.78</td><td>0.75</td></tr> <tr><td>Decision</td><td>0.76</td><td>0.75</td></tr> </tbody> </table>	Model	German AUC	German ACC	ELM	0.75	0.76	ANN	0.76	0.75	SVM	0.77	0.74	LR	0.78	0.75	CART	0.72	0.70	MLP	0.74	0.74	k-NN	0.69	0.73	NB	0.69	0.73	RF	0.71	0.77	C4.5	0.68	0.74	Adaboost	0.74	0.72	Bagging	0.78	0.75	Decision	0.76	0.75
Model	German AUC	German ACC																																										
ELM	0.75	0.76																																										
ANN	0.76	0.75																																										
SVM	0.77	0.74																																										
LR	0.78	0.75																																										
CART	0.72	0.70																																										
MLP	0.74	0.74																																										
k-NN	0.69	0.73																																										
NB	0.69	0.73																																										
RF	0.71	0.77																																										
C4.5	0.68	0.74																																										
Adaboost	0.74	0.72																																										
Bagging	0.78	0.75																																										
Decision	0.76	0.75																																										