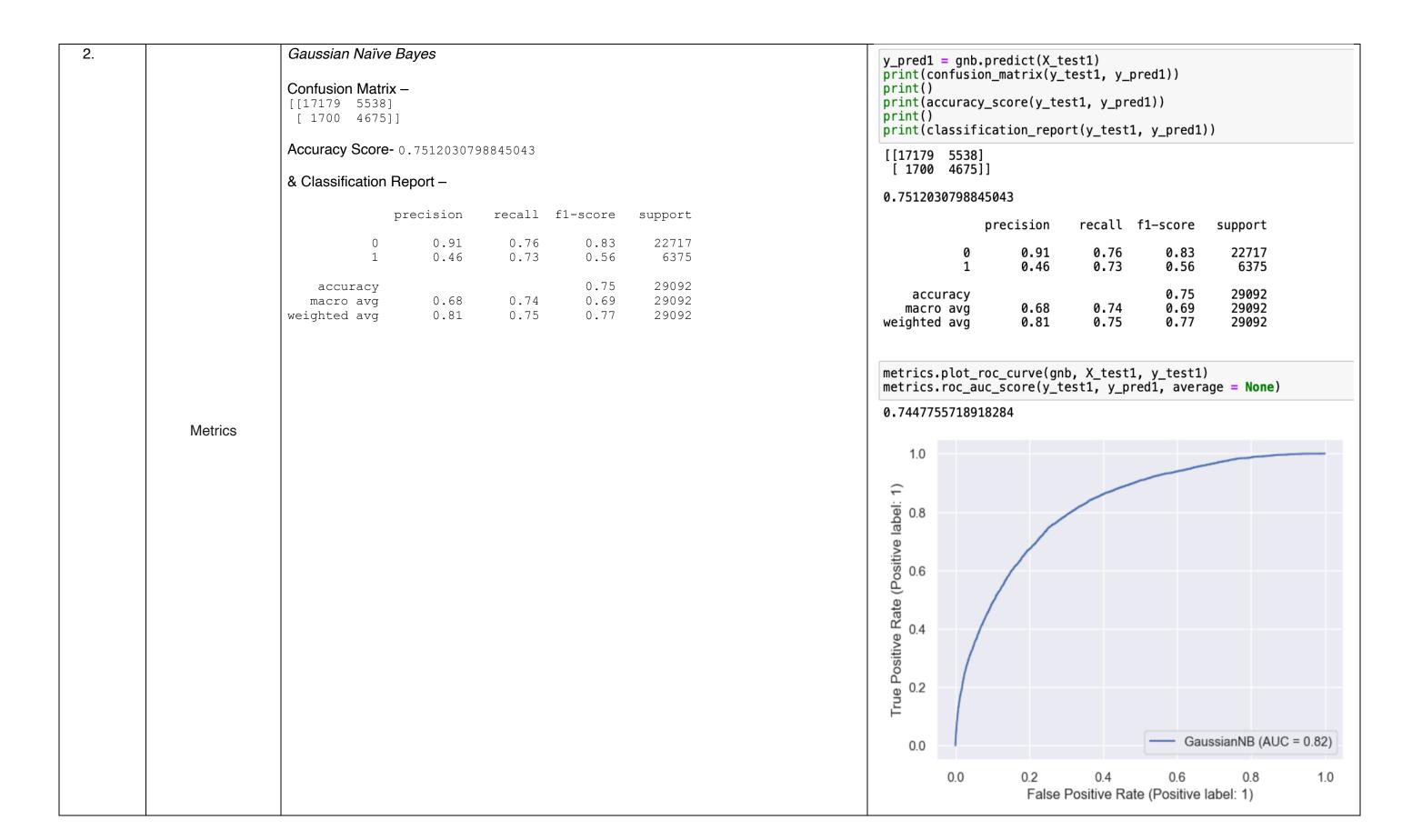
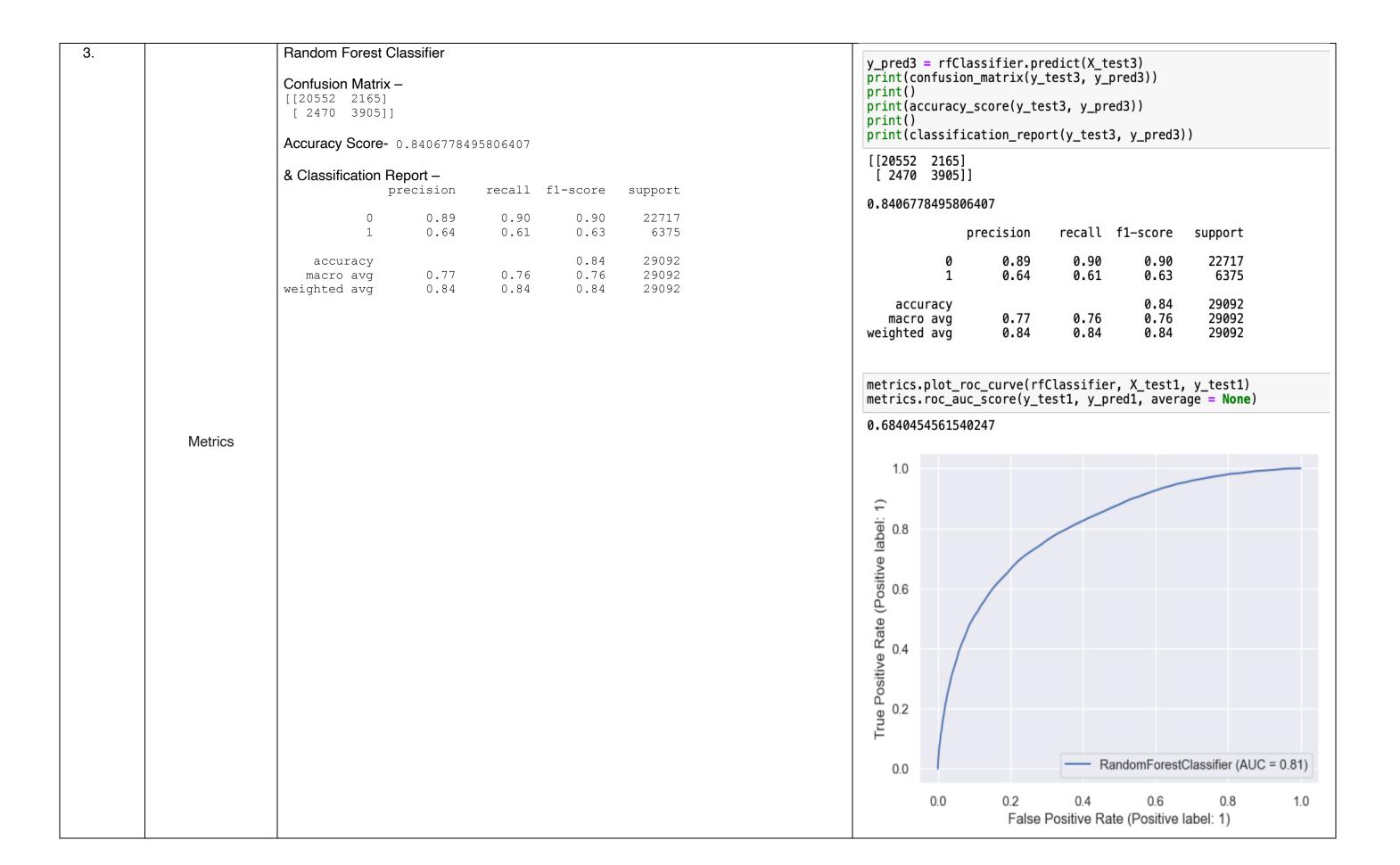
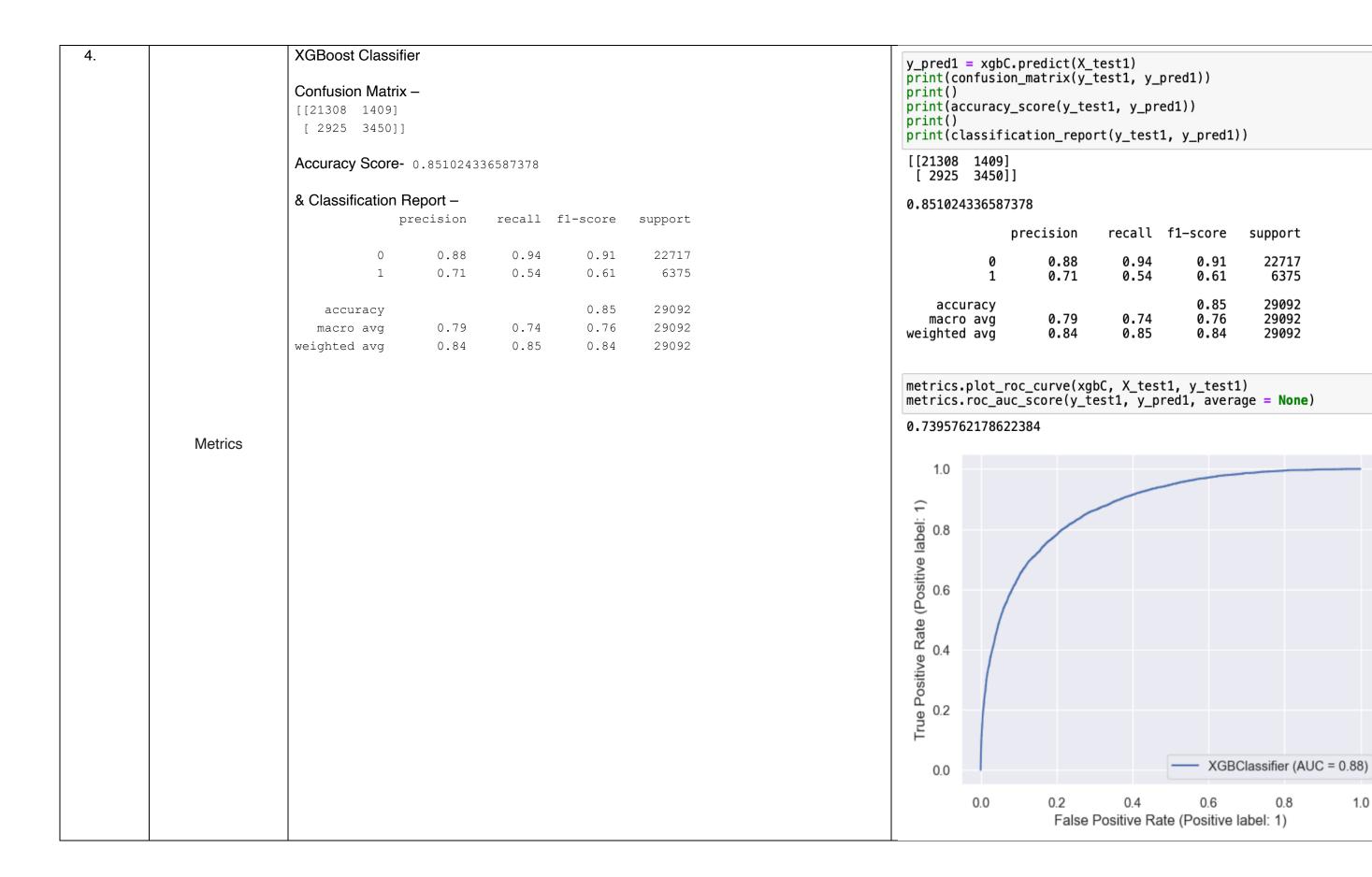
Date	07 November 2022	
Team ID	PNT2022TMID12561	
Project Name	Exploratory Analysis of RainFall Data in India for Agriculture.	
Maximum Marks	4 Marks	

Model Performance Testing:

SI. No.	Parameter	Values [Classification Model]					Screenshot		
1.		Logistic Regression Confusion Matrix — [[17634 5083] [1467 4908]]					<pre>y_pred3 = lr.predict(X_test3) print(confusion_matrix(y_test3, y_pred3)) print() print(accuracy_score(y_test3, y_pred3)) print() print(classification_report(y_test3, y_pred3))</pre>		
		Accuracy Score-		0427609			[[17634 5083] [1467 4908]]		
	& Classification Report –					0.7748521930427609			
		& Classification i	тероп –				precision recall f1-score support		
			precision	recall	f1-score	support	0 0.92 0.78 0.84 22717 1 0.49 0.77 0.60 6375		
		0 1	0.92 0.49	0.78 0.77	0.84	22717 6375	accuracy 0.77 29092 macro avg 0.71 0.77 0.72 29092 weighted avg 0.83 0.77 0.79 29092		
		accuracy			0.77	29092			
		macro avg weighted avg	0.71 0.83	0.77	0.72 0.79	29092 29092	<pre>metrics.plot_roc_curve(lr, X_test3, y_test3) metrics.roc_auc_score(y_test3, y_pred3, average = None) 0.7730646082617578</pre>		
	Metrics						1.0 LogisticRegression (AUC = 0.85)		
							0.0 0.2 0.4 0.6 0.8 1.		
							0.0 0.2 0.4 0.6 0.8 1 False Positive Rate (Positive label: 1)		







1.0

