































## **Compare Results**

## Comments:

- Logistic Regression has best Precision
- While Decision Tree is having the best overall performance
- ⇒ But why Decision Tree is having better scores than Random Forest here?
- ⇒ Result of Decision Tree model might be overfitted

For this dataset, it is recommended to use Logistic Regression for overall second best performance.

	Model	Params	TP	FN	TN	FP	Precision	Recall	F1_Score	Accuracy Score	AUC Score
0	Logistic Regression		102757	39399	40882	96151	0.7093	0.7017	0.7055	0.7124	0.7848
1	Gaussian Naive Bayes		104124	38032	45700	91333	0.7060	0.6665	0.6857	0.7001	0.7657
2	Decision Tree	max_depth = 8	99115	43041	35613	101420	0.7021	0.7401	0.7206	0.7183	0.7937
3	Random Forest	n_estimators = 100	98251	43905	40509	96524	0.6874	0.7044	0.6958	0.6976	0.7676
4	K Nearest Neighbors	n_neighbors = 10	104645	37511	48951	88082	0.7013	0.6428	0.6708	0.6903	0.7558

