



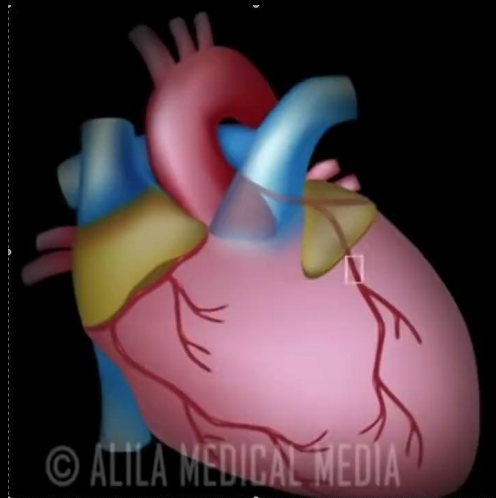
**What causes a
heart attack ?**

Heart attack

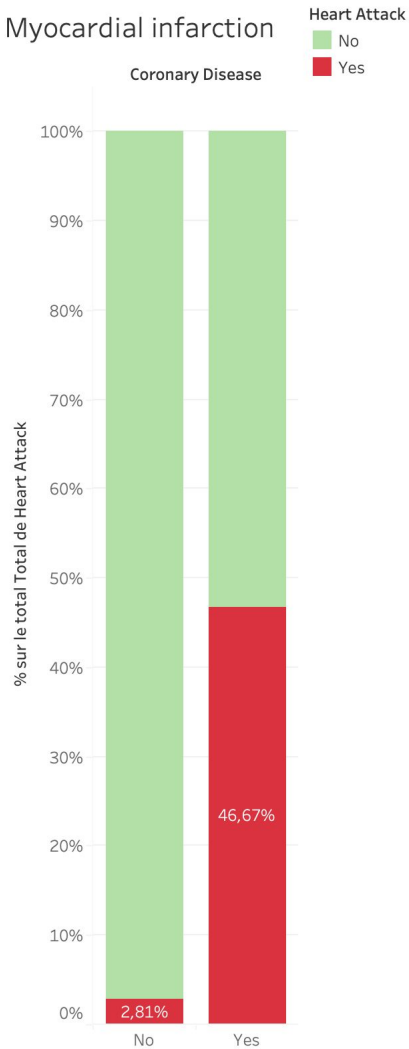
≠ cardiac arrest
= myocardial infarction

Infarction

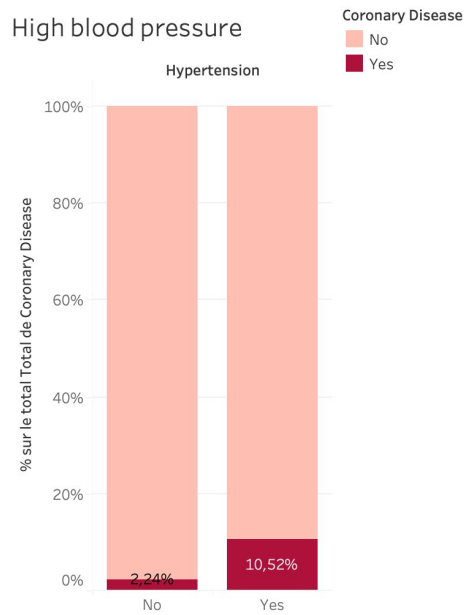
= tissue death due to inadequate blood supply to the affected area



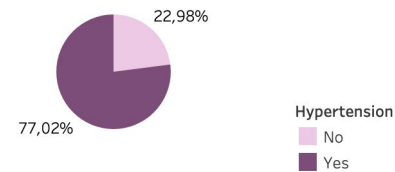
Myocardial infarction



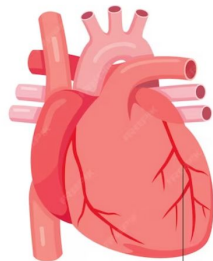
High blood pressure



Coronarian people who have high blood pressure



CORONARY ARTERY DISEASE



PHASE 1
Normal Artery



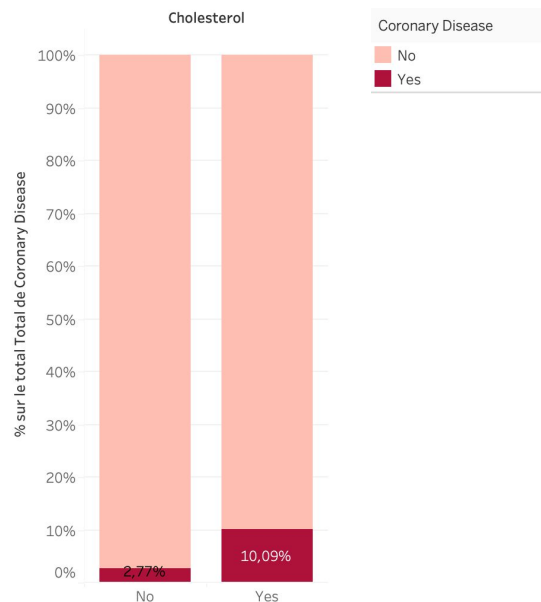
PHASE 2



PHASE 3

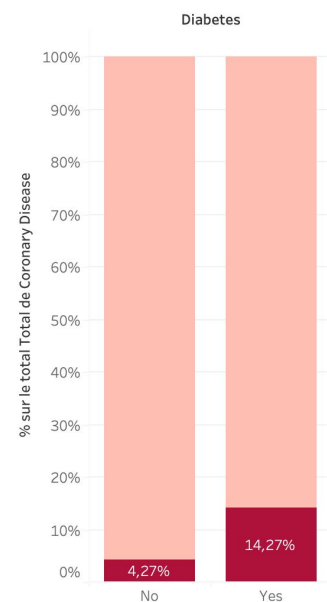
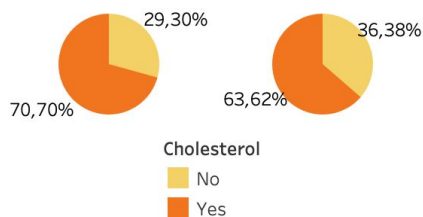


PHASE 4



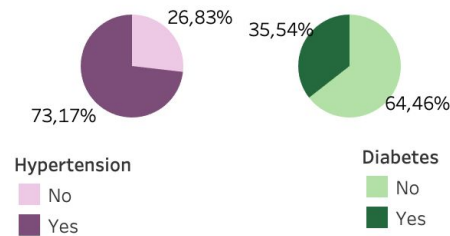
Coronarian

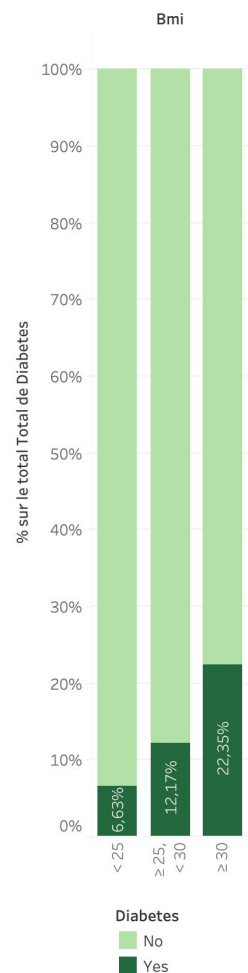
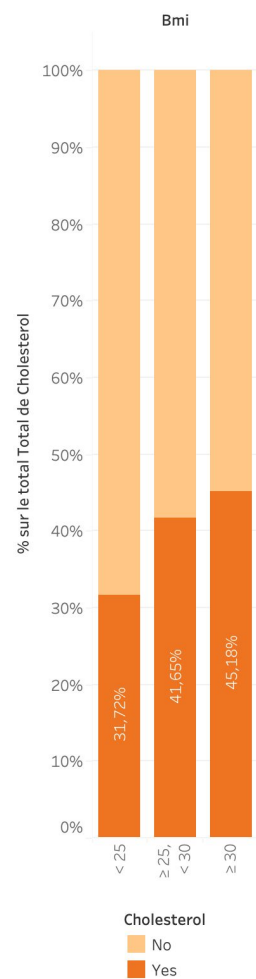
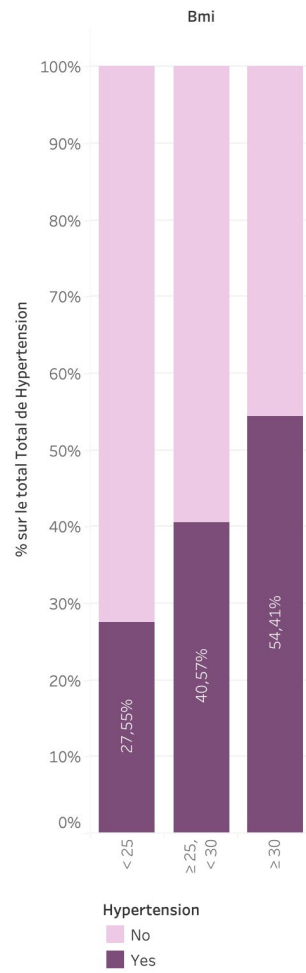
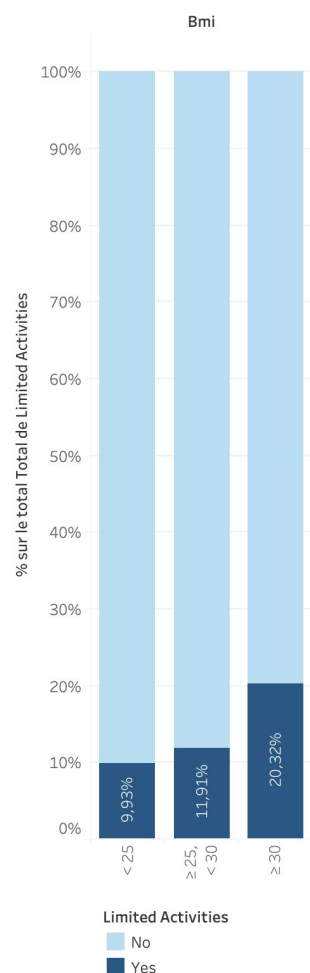
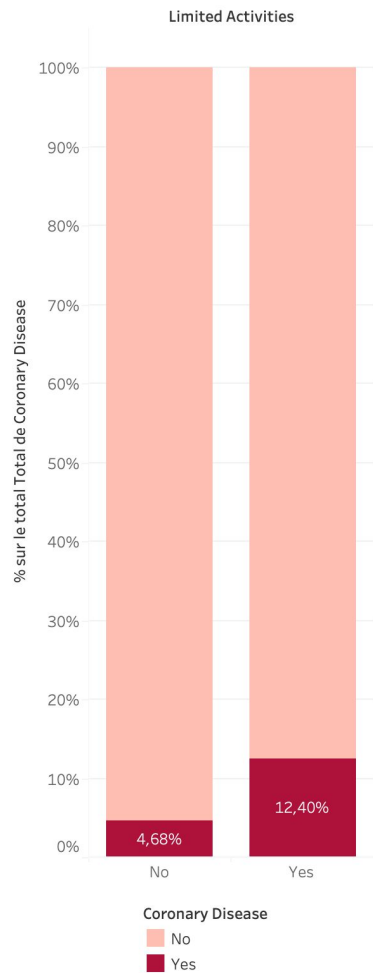
Diabetic

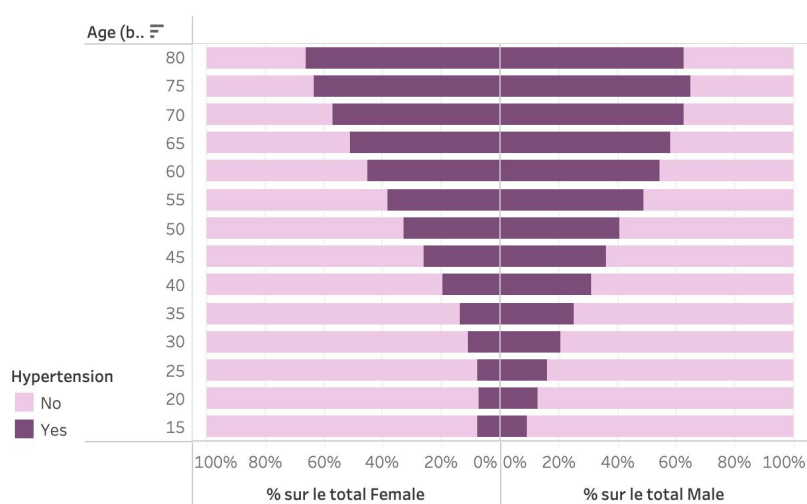
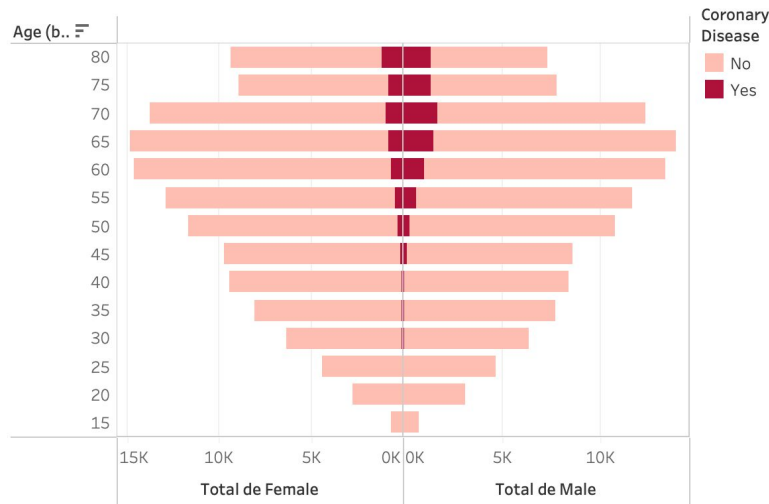
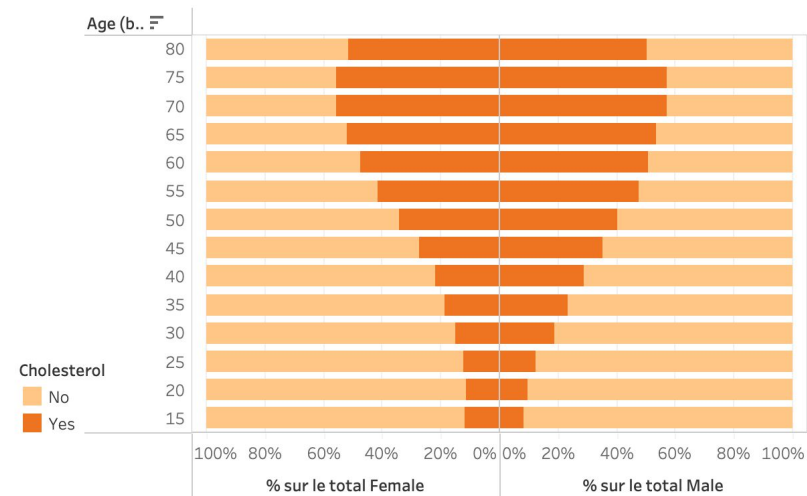
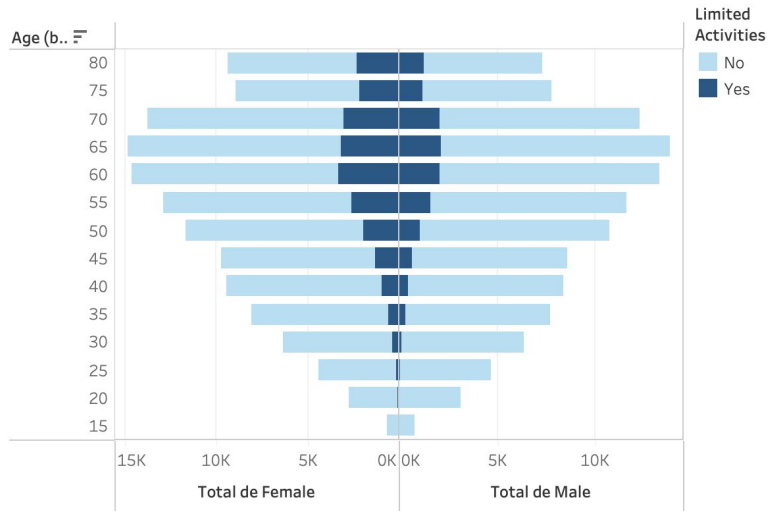


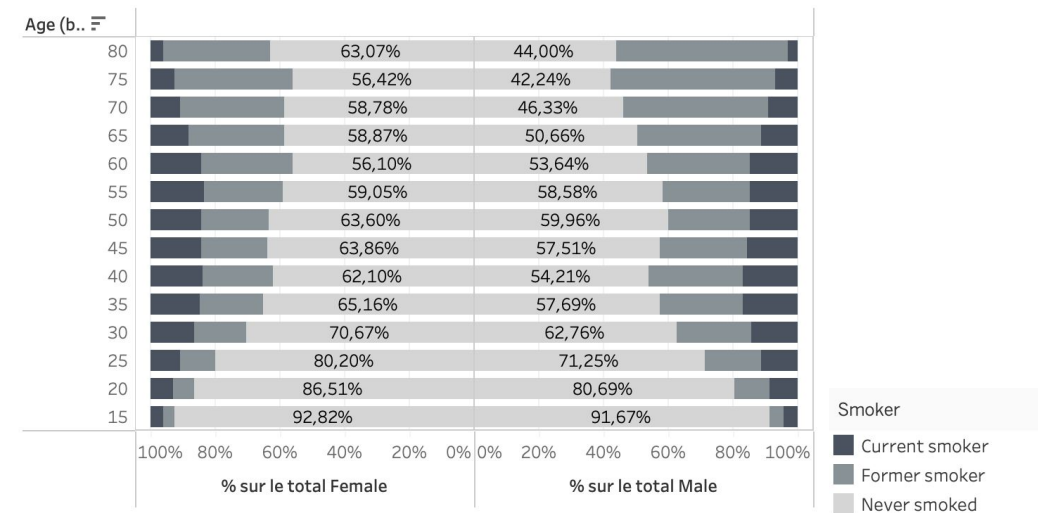
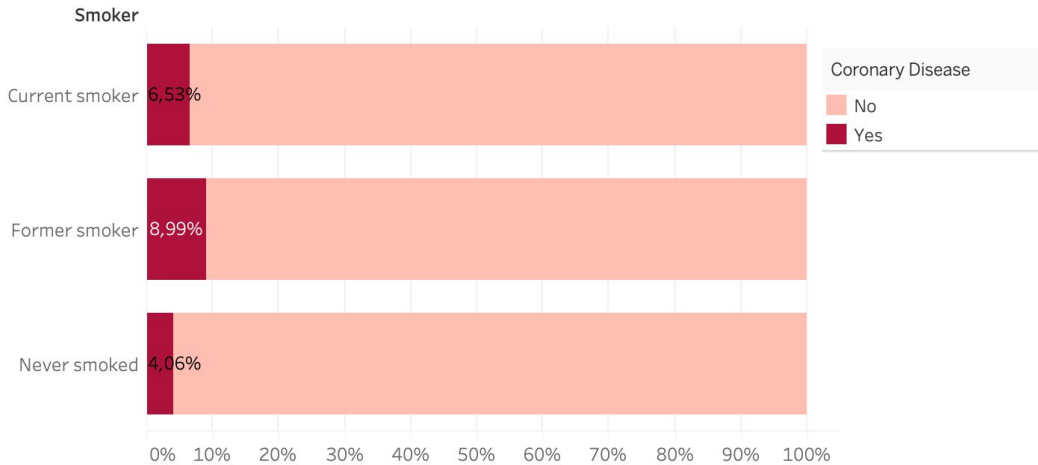
Diabetic

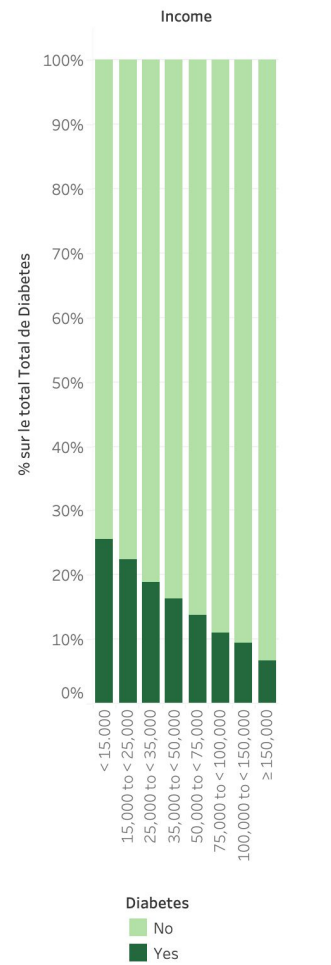
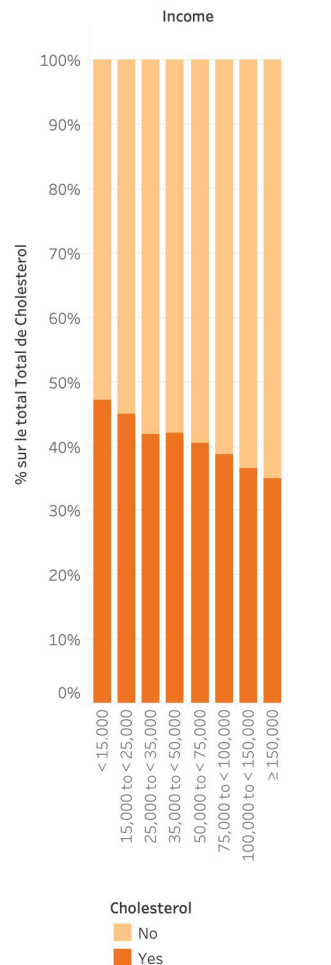
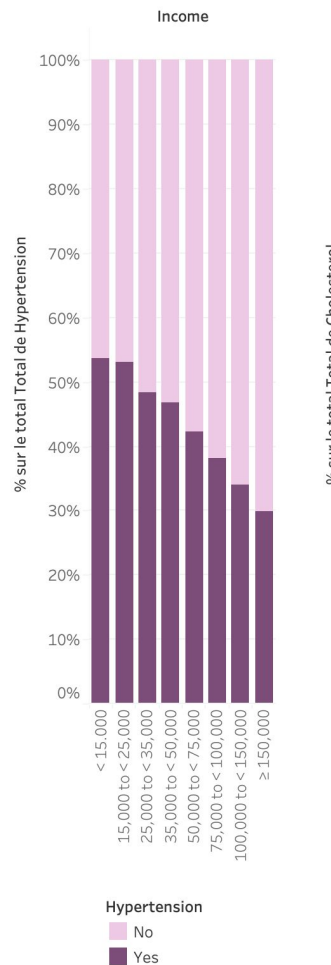
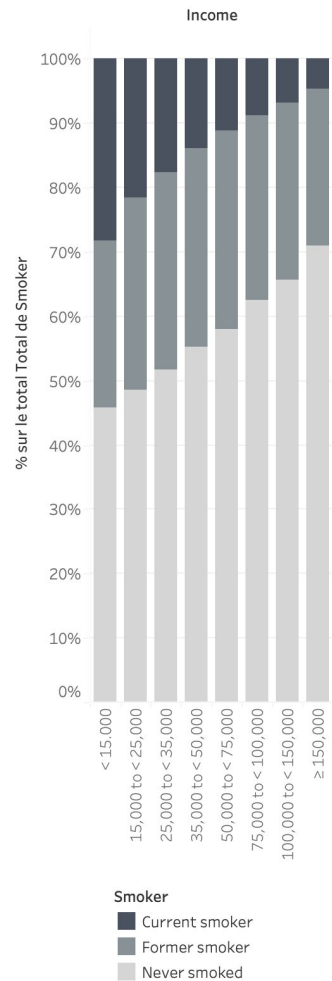
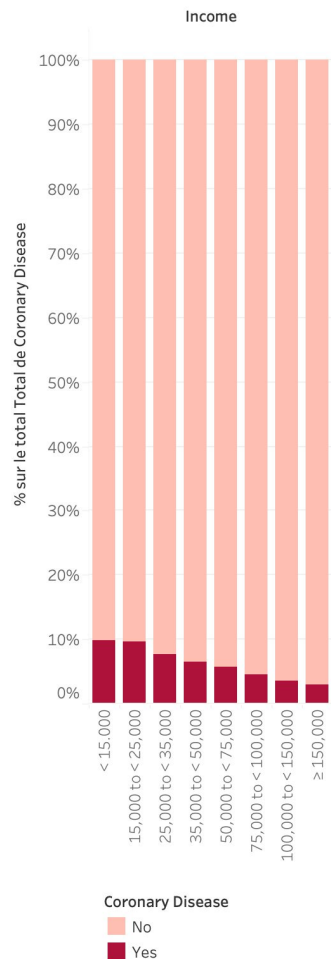
Coronarian











Prediction model

Accuracy : 0.83

“No” predictions :

- Precision: 0.98
- Recall: 0.84

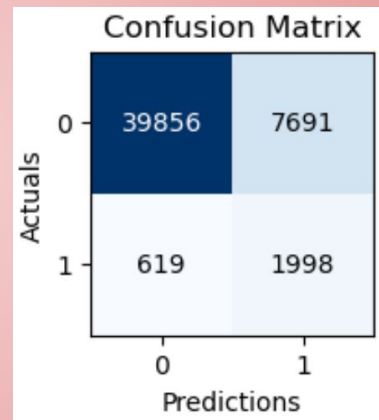
“Yes” prediction :

- Precision: 0.21
- Recall: 0.76

Confusion Matrix

Actuals	0	1
0	39856	7691
1	619	1998
	0	1

Predictions



THANK YOU!