Monitoring Report For demo

Project: bank_churn

Time Interval: *2023-04-18* to *2023-05-18*

Project **bank_churn** contains **1 model(s)** and **1 dataset(s)** as summarized below. During this time interval a total number of **15 alert(s)** were triggered for this project.

Datasets

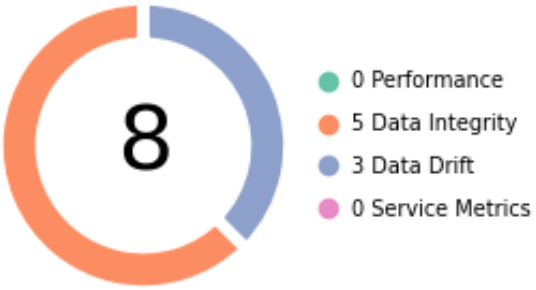
Dataset ID	Source	Size (#Rows)
bank_churn	baseline.csv	4000

Models

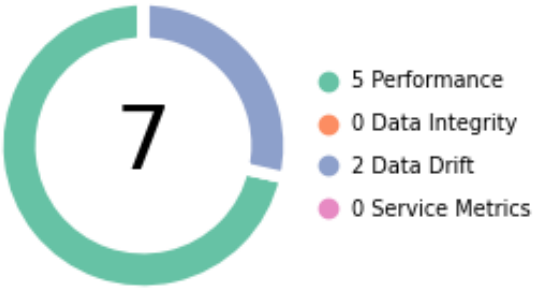
Model ID	Model Type
churn_classifier	binary_classification

Alert Summary

Critical Alerts



Warning Alerts



Alert Rules and Incidents

DATA_INTEGRITY Alerts

Rule: Missing estimated salary 1

(model_id=churn_classifier, metric=MISSING_VALUE, column=estimatedsalary, warning_threshold=0.05, critical_threshold=0.1)

model_id	severity	value	date
churn_classifier	CRITICAL	29.0	2023-05-04
churn_classifier	CRITICAL	42.0	2023-05-05
churn_classifier	CRITICAL	35.0	2023-05-06
churn_classifier	CRITICAL	36.0	2023-05-07
churn_classifier	CRITICAL	44.0	2023-05-08

PERFORMANCE Alerts

Rule: Accuracy Churn Classifier

(model_id=churn_classifier, metric=ACCURACY, column=, warning_threshold=0.7, critical_threshold=0.65)

model_id	severity	value	date
churn_classifier	WARNING	0.67	2023-05-04
churn_classifier	WARNING	0.66	2023-05-05
churn_classifier	WARNING	0.66	2023-05-06

churn_classifier	WARNING	0.69	2023-05-07
churn_classifier	WARNING	0.66	2023-05-08

DATA_DRIFT Alerts

Rule: Output Drift Churn Classifier

(model_id=churn_classifier, metric=JSD, column=probability_churn, warning_threshold=0.15, critical_threshold=0.2)

model_id	severity	value	date
churn_classifier	WARNING	0.19	2023-05-04
churn_classifier	CRITICAL	0.22	2023-05-05
churn_classifier	CRITICAL	0.22	2023-05-06
churn_classifier	WARNING	0.2	2023-05-07
churn_classifier	CRITICAL	0.22	2023-05-08

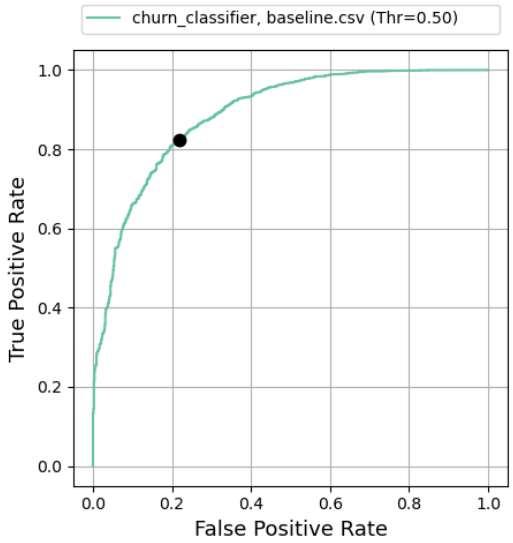
Baseline Model Performance

Performance Summary

Model	Dataset	Source	Accuracy	F1	AUC
churn_classifier	bank_churn	baseline.csv	0.82	0.88	0.89

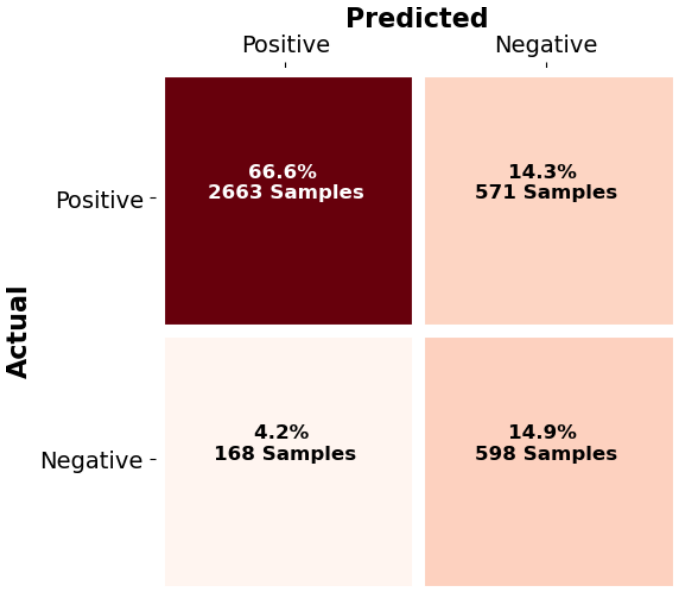
Performance Charts

ROC Curves



Confusion Matrices

Model: churn_classifier
Dataset: bank_churn
Source: baseline.csv



Performance Analysis

Model: churn_classifier
Metric: accuracy
Segmentation: geography
Segmentation Mode: all