

Monitoring Report For demo

Project: bank_churn

Time Interval: 2023-03-06 to 2023-05-05

Project **bank_churn** contains **1 model(s)** and **1 dataset(s)** as summarized below. During this time interval a total number of **16 alert(s)** were triggered for this project.

Datasets

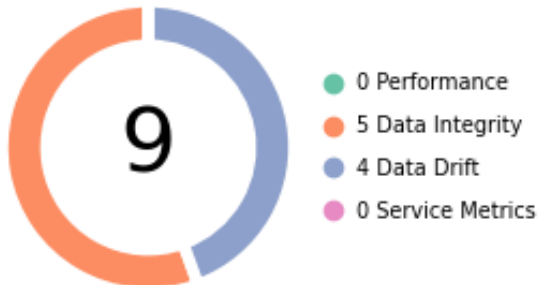
| Dataset ID | Source | Size (#Rows) |
|------------|--------------|--------------|
| bank_churn | baseline.csv | 4000 |

Models

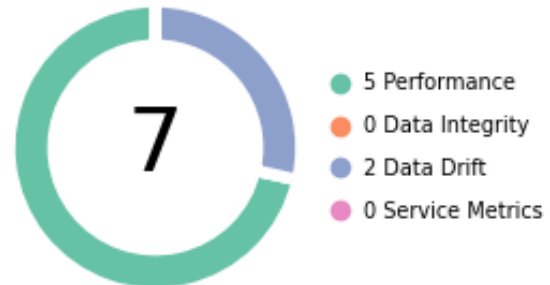
| Model ID | Model Type |
|------------------|-----------------------|
| churn_classifier | binary_classification |

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 | 28.0 | 2023-04-22 |
| churn_classifier | CRITICAL | 44.0 | 2023-04-23 |
| churn_classifier | CRITICAL | 34.0 | 2023-04-24 |
| churn_classifier | CRITICAL | 36.0 | 2023-04-25 |
| churn_classifier | CRITICAL | 44.0 | 2023-04-26 |

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 | 2023-04-22 |
| churn_classifier | WARNING | 0.66 | 2023-04-23 |
| churn_classifier | WARNING | 0.65 | 2023-04-24 |

| | | | |
|------------------|---------|------|------------|
| churn_classifier | WARNING | 0.7 | 2023-04-25 |
| churn_classifier | WARNING | 0.65 | 2023-04-26 |

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 | CRITICAL | 0.26 | 2023-03-18 |
| churn_classifier | WARNING | 0.19 | 2023-04-22 |
| churn_classifier | CRITICAL | 0.22 | 2023-04-23 |
| churn_classifier | CRITICAL | 0.22 | 2023-04-24 |
| churn_classifier | WARNING | 0.2 | 2023-04-25 |
| churn_classifier | CRITICAL | 0.22 | 2023-04-26 |

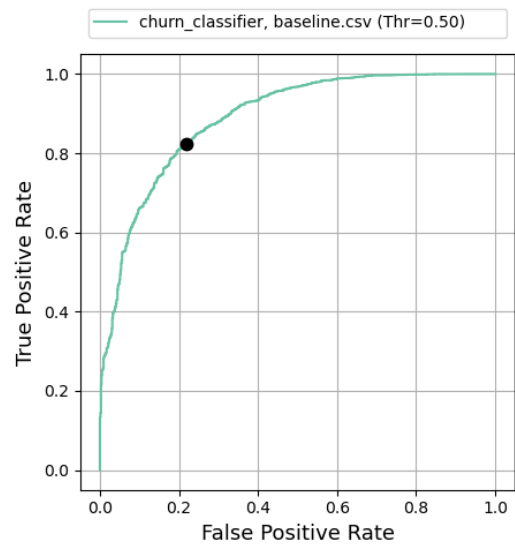
Baseline Model Performance

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

