# Audit Log

## Accuracy by Model



Legend: ● train rows ● test rows — accuracy

## Specificity by Model

100%

| Model | Value |
|-------|-------|
| XGBoost | 77.39 |
| Multi-Lay... | 74.82 |
| Random ... | 71.93 |
| Logistic R... | 57.06 |

73.7%
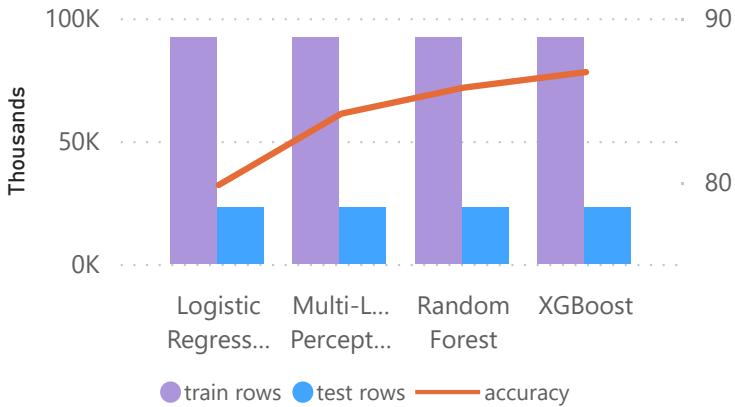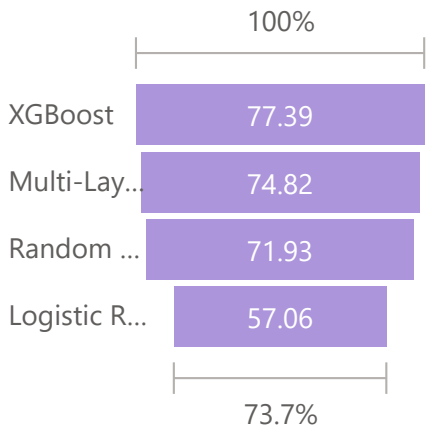
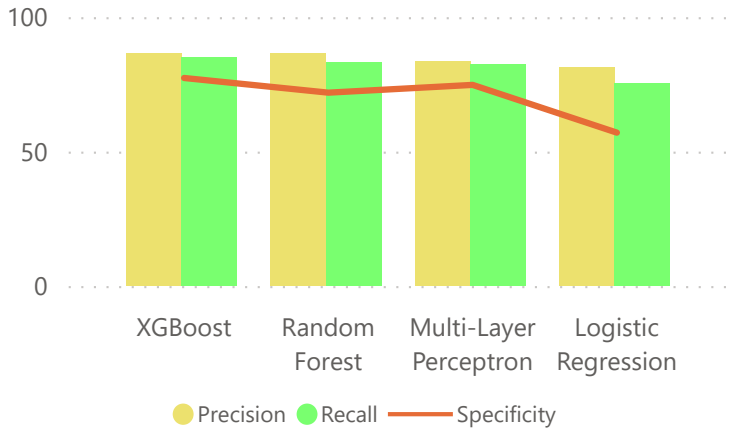## Training Time by Model
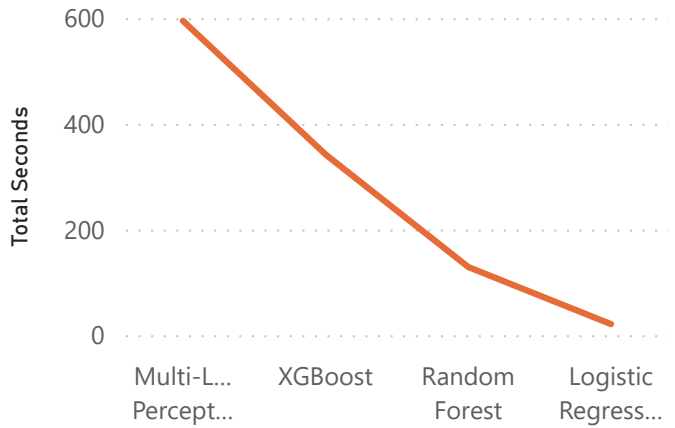


## Precision, Recall and Specificity by Model



Legend: ● Precision ● Recall — Specificity

## Train Score VS Test Score by Model
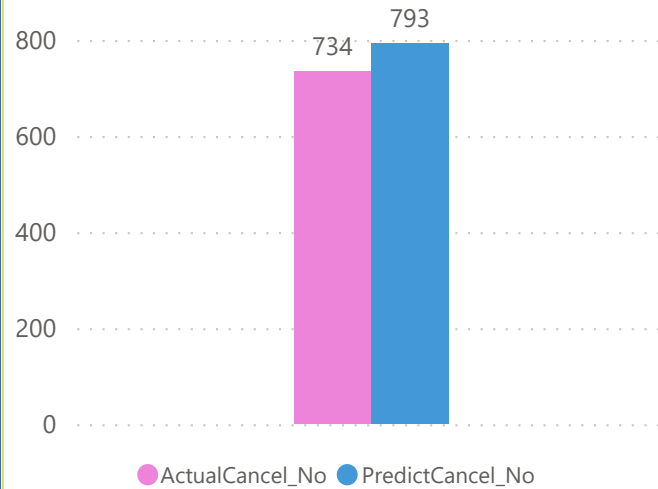


Legend: ● Train Score ● Test Score
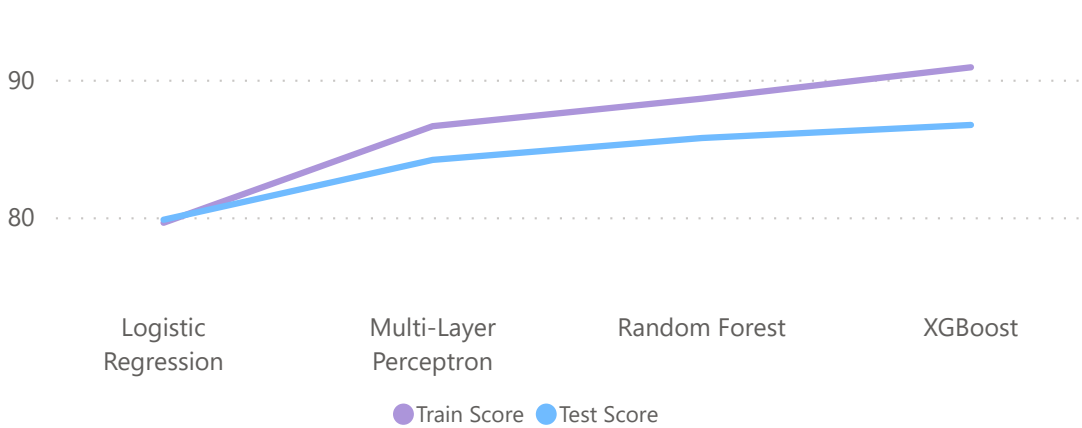
# Actual vs Predict (Cancellation Status)

## Non Cancelled : 0



- ● ActualCancel_No
- ● PredictCancel_No

734   793

## Actual VS Predict (Not Cancelled) by Hotel



City Hotel: 465 | 487
Resort Hotel: 269 | 306

0   500   1000

- ● ActualCancel_No
- ● PredictCancel_No

## Actual (No VS Yes) by Hotel



116 (10%)
269 (23%)
465 (40%)
316 (27%)

**hotel**
- ● City Hotel
- ● Resort Hotel

## Cancelled : 1



432   373

- ● ActualCancel_Yes
- ● PredictCancel_Yes
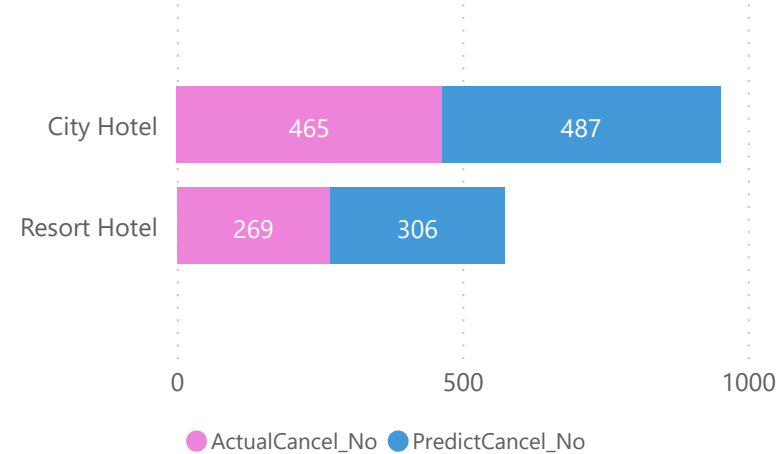
## Actual VS Predict (Cancelled) by Hotel



- ● ActualCancel_Yes   ● PredictCancel_Yes

City Hotel: 316 | 294
Resort Hotel: 116 | 79

0   500

ActualCancel_Yes and PredictCancel_Yes
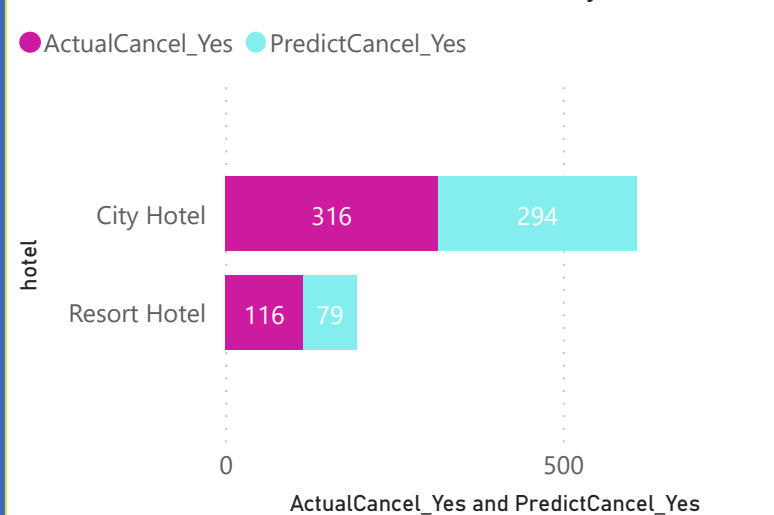
## Predict(No VS Yes) by Hotel



79 (7%)
306 (26%)
487 (42%)
294 (25%)

**hotel**
- ● City Hotel
- ● Resort Hotel