



# AWS Tutorial: Build a Machine Learning Model

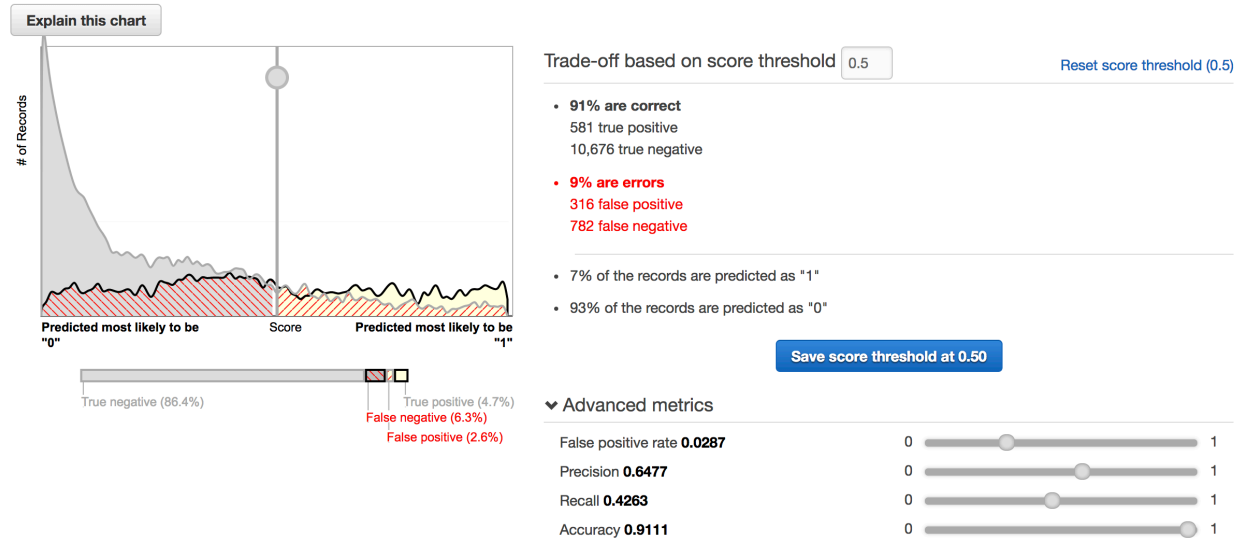
Time spent: 30 min

## What I built

- Using Amazon ML to Predict Responses to a Marketing Offer

### ML model performance

This chart shows the distributions of your predicted answers for the actual "1" and "0" records in your evaluation data. Any overlap of the actual "1"  & "0"  is where your ML model guesses. Adjust the slider to indicate how much error you can tolerate from your ML model based on your needs. Moving the score threshold to the right decreases the number of false positives and increases true positives.



- How to build the ML model on Amazon ML
- How to do the real-time prediction

### Try real-time predictions

You submitted 20 out of 20 data values for this prediction.

Try generating real-time predictions for free using the web browser on this page. To request a real-time prediction, complete the following form or provide a single data record in CSV format. To provide a data record, choose the **Paste a record** button.

[Paste a record](#)

QAttribute name

Items per page:10<<<1 - 10 of 21>>>

^	Name	Type	Value
1	age	Numeric	32.0
2	job	Categorical	services
3	marital	Categorical	divorced
4	education	Categorical	basic.9y
5	default	Categorical	no
6	housing	Categorical	unknown
7	loan	Categorical	yes

### Prediction results

Target name y  
ML model type BINARY  
Predicted label 0

```
{
  "Prediction": {
    "details": {
      "Algorithm": "SGD",
      "PredictiveModelType": "BINARY"
    },
    "predictedLabel": "0",
    "predictedScores": {
      "0": 0.042389288544654846
    }
  }
}
```

## Related component

- Amazon ML to handle data
- Amazon S3 to store data

**Summary:**

In this section, I finished the data training and real-time prediction. I learned the mechanism of Amazon ML.