

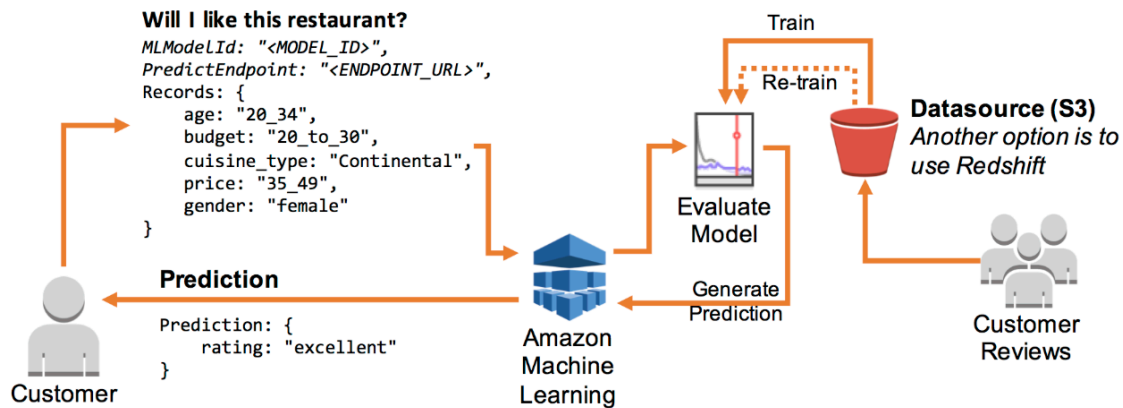
# Intro to Amazon Machine Learning

Time spent: 55min

## What is Amazon ML

### Overview

Amazon Machine Learning (Amazon ML) is a robust machine learning platform that allows software developers to train predictive models and use them to create powerful predictive applications. Amazon ML allows business domain experts and software developers to focus on the problems they are trying to solve using predictive models rather than running and maintaining the compute and storage infrastructure required to train a supervised machine learning model.



### What I learned

- The Amazon ML mechanism
- How to use ML model on Amazon ML
- How to do the real-time prediction

### What I built

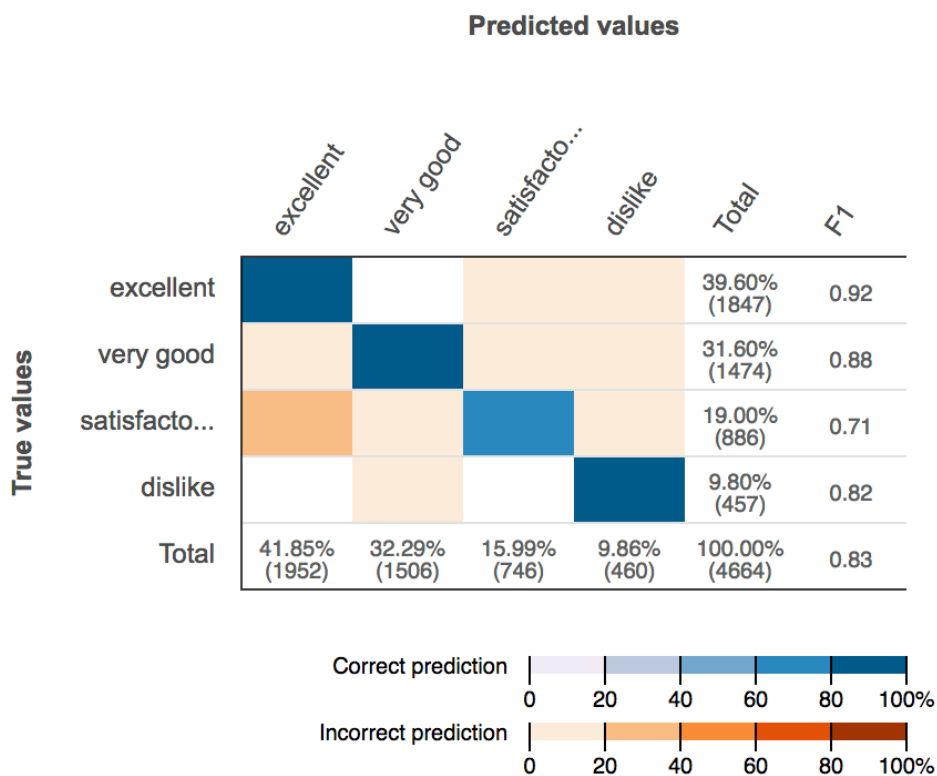
- Use Amazon ML to finish prediction by using restaurants data

Create new... ▾

Actions ▾

Filter: All types ▾
Items per

	Name ▾	Type ▾	ID ▾	Status ▾
<input type="checkbox"/>	▶ <a href="#">Evaluation: ML model: Restaurants.data</a>	Evaluation	<a href="#">ev-5eQGUJGPmsw</a>	Completed
<input type="checkbox"/>	▶ <a href="#">ML model: Restaurants.data</a>	ML model	<a href="#">ml-0vHHSL8Oals</a>	Completed
<input type="checkbox"/>	▶ <a href="#">Restaurants.data_percentBegin=70, percentEnd=100, strate...</a>	Datasource	<a href="#">ds-9P2hLWJUzlr</a>	Completed
<input type="checkbox"/>	▶ <a href="#">Restaurants.data_percentBegin=0, percentEnd=70, strategy...</a>	Datasource	<a href="#">ds-X2vPJrj5cZ0</a>	Completed
<input type="checkbox"/>	▶ <a href="#">Restaurants.data</a>	Datasource	<a href="#">ds-pJEWAgHAdgl</a>	Completed



- Finish the real time prediction by this model

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

Q Attribute name				Items per page: 10	<< 1 - 6 of 6 >>
	Name	Type	Value		
1	age	Categorical	under_19		
2	gender	Categorical	male		
3	budget	Categorical	under_20		
4	price	Categorical	over_50		
5	cuisine_type	Categorical	Continental		
6	rating	Categorical	Target		

<< < 1 - 6 of 6 > >>

Clear data

Create prediction

Prediction results

Target name rating  
ML model type CATEGORICAL  
Predicted class dislike

```
{
  "Prediction": {
    "details": {
      "Algorithm": "SGD",
      "PredictiveModelType": "MULTICLASS"
    },
    "predictedLabel": "dislike",
    "predictedScores": {
      "dislike": 0.8357858061790466,
      "excellent": 0.000015519401131314225,
      "satisfactory": 0.00043706202995963395,
      "very good": 0.16376158595085144
    }
  }
}
```