IBM Watson Visual Recognition Advance Workshop - Labs

Lab1 - Using Visual Recognition with UI

Introduction

In these labs, we will train Watson Visual Recognition to detect that a customer's pizza is messed up (e.g. burned, toppings pushed to one side, cheese stuck to the box, etc.) versus a pizza that isn't.

You could imagine a Pizzeria using this for automatically sending a new pizza to customers that complained about a pizza delivery for example.

Discover Visual Recognition

- Create IBM Cloud Account

- Create Watson Studio project

- Create Visual Recognition Service

- Discover Visual Recognition tooling

  and out-of-the-box results

Lab2 - Creating Custom Classifier with UI

Discover how to create a custom classifier

- Create custom classifier with Watson Visual Recognition tooling

- Test the custom classifier

- Improve custom classifier with new images

Lab3 - Using Visual Recognition APIs with command line

Discover Visual Recognition APIs

- Classify an image by APIs

- Detect faces

- Using Food (beta)

- Privacy Consideration

Lab4 - Creating Custom Classifier APIs with command line

Train a model using APIs

- Creating a custom model

- Classify an image with a custom model

- Updating existing custom model

- Query list of custom model

- Deleting your custom model

Lab 5 : Integrate Visual Recognition in your application with Node-Red

Learn how to integrate easily Visual Recognition in your porotypes / projects with Node-RED

- Create a Node-RED instance

- Basic usage of the Visual Recognition Node

- Advance usage of the Visual Recognition Node

- Exercise : Create a flow with multiple Visual Recognition models

- Create a Web Application leveraging Visual Recognition

Lab 6 – Creating a mobile (Android or iOS) app using Visual recognition with Cordova

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Lab 7 - Creating an Offline Visual Recognition application with CoreML

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