Google Cloud

Module 1 Readings: Computer Vision Fundamentals on Google Cloud

Here are the assembled readings provided in Module 1.

Module 1: Introduction to Computer Vision and Pre-built ML Models with Vision API

- Lesson 1: What Is Computer Vision?
  - Internet growth statistics from Statista
  - The amount of visual data on Google Photos
- Lesson 3: Computer Vision Use Cases
  - The New York Times digitizes millions of historical photos using Google Cloud Technology
  - Box: Bringing image recognition and OCR to cloud content management
  - Coastal classifiers: using AutoML Vision to assess and track environmental change
- Lesson 4: Vision API - Pre-built ML Models
  - DocumentAI API documentation
  - Vision AI documentation
  - Image: Purdue university
  - Demo instructions: https://github.com/GoogleCloudPlatform/training-data-analyst/tree/master/courses/bdml_fundamentals/demos
  - Demo Images:
    - Image cc0 (owl): https://pixabay.com/en/owl-camouflage-wildlife-1576572/
    - Image cc0 (clipboard) https://pixabay.com/en/clipboards-papers-text-quotes-924044/
    - Images cc0 (Coit Tower): https://pixabay.com/en/coit-tower-san-francisco-skyline-1499662/
  - Video Intelligence API document
  - Google's human labeling program
- Lab intro:
  - Google Cloud Storage documentation
  - Google Cloud Vision API documentation
  - Google Cloud Translation API documentation
  - Google Cloud Pub/Sub documentation
  - Cloud Functions documentation
- Additional Resources:
  - Machine Learning on Google Cloud
  - Google Cloud Big Data and Machine Learning Fundamentals
  - Machine Learning Crash Course - Image Classification

- Data growth article