

# 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:
    - [Instructions](#)
  - 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](#)