Google Cloud

Module 3 Readings: Computer Vision Fundamentals on Google Cloud

Here are the assembled readings provided in Module 3.

Module 3: Custom Training with Linear, Neural Network and Deep Neural Network models

- Lesson 1: Introduction
  - [TensorFlow dataset](#)
- Lesson 3: Reading the Data
  - [tf.io](#)
  - [tf.image](#)
  - [tf.data.Dataset](#)
  - [tf.data.Dataset.list_files](#)
  - [tf.data.FixedLengthRecordDataset](#)
  - [TensorFlow documentation](#)
- Lesson 4: Implementing Linear Models for Image Classification
  - [tf.keras.Model](#)
  - [*Compile*](#)
  - [*Optimizer*](#)
  - [*Loss function*](#)
  - [*Metrics*](#)
- Lesson 5: Neural Networks and Deep Neural Networks for Image Classification
  - [Reading: Commonly Used Activation Functions](#)
  - [Model.compile](#)
- Lesson 6: Deep Neural Networks with Dropout and Batch Normalization
  - [universal approximation theorem](#)
  - [Reading: The Geometric Occam's Razor Implicit in Deep Learning](#)
  - [Dropout](#)
- Additional Resources
  - [Machine Learning on Google Cloud](#)
  - [tf.data.TextLineDataset](#)