Capstone Project #2: Image Classification & Object Detection

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How can I help? (Goal For Project)

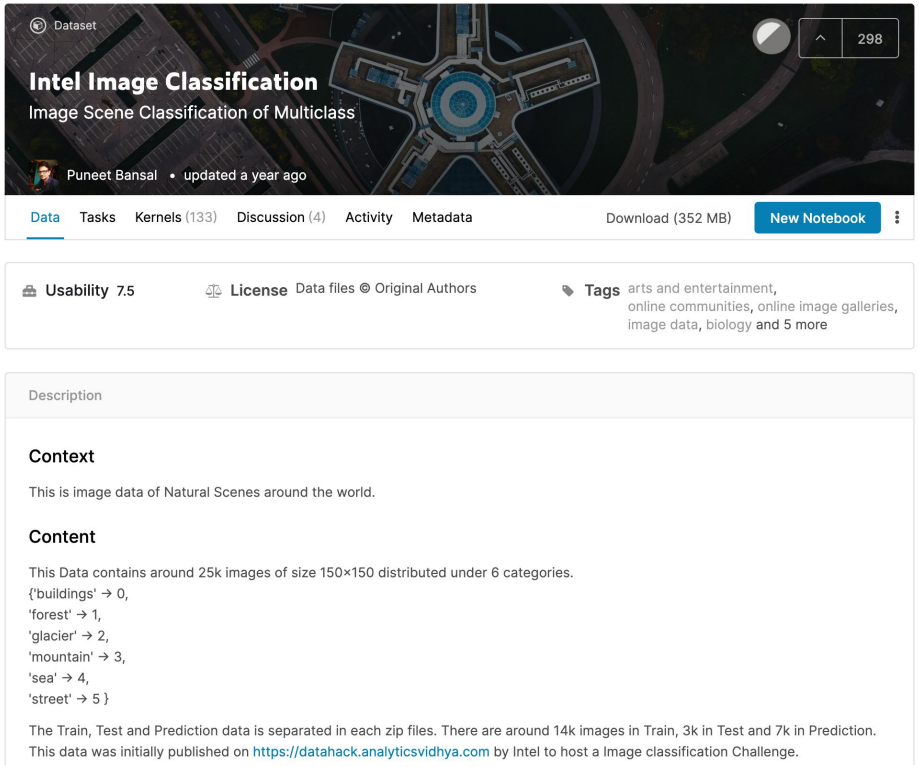
1. Determine what kind of document is being reviewed (**Classification**)
2. Determine whether all the necessary components are on the document (**Object Detection**)

Approach:

Use dataset from Kaggle to build a deep learning model that can accurately classify images to a particular category. Then, build an object detection model to determine what objects are in each image.

Dataset

Intel Image Classification (*https://www.kaggle.com/puneet6060/intel-image-classification*)



Cleaning Up The Dataset

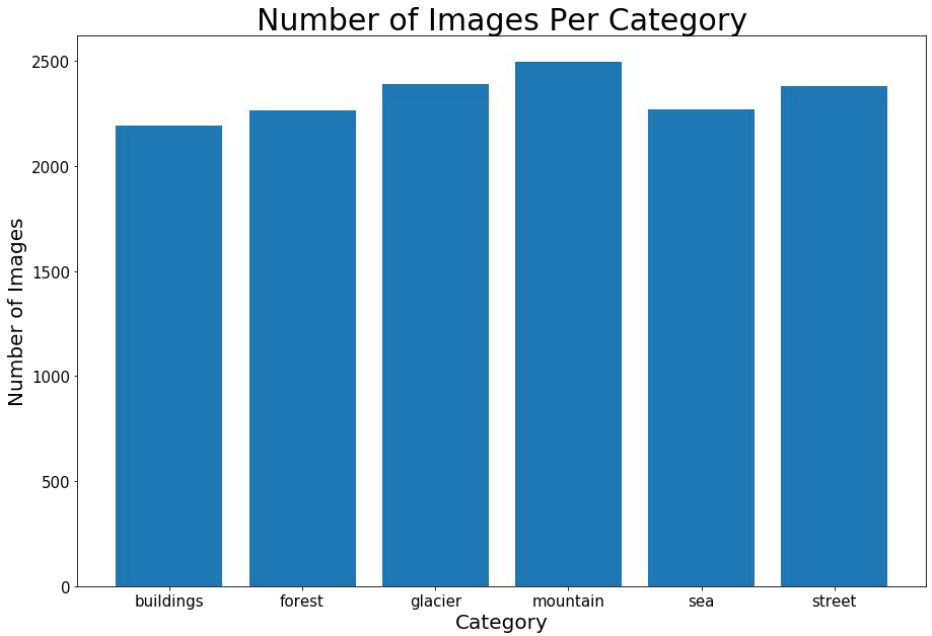
Original Dataset

Training Images	Testing Images	Unlabeled Images
14034	3000	7301

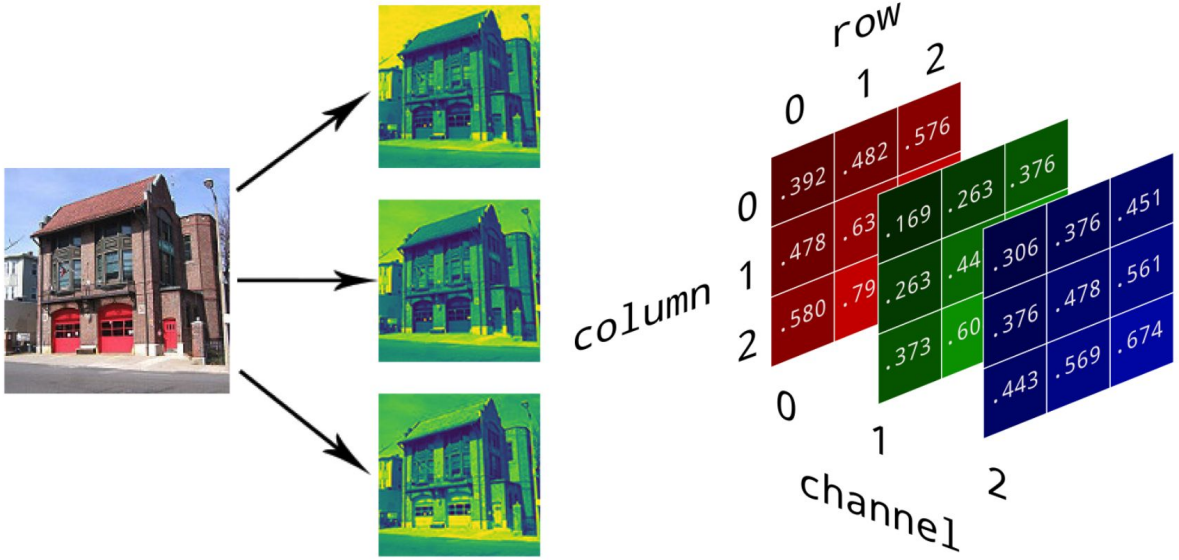
Final Dataset

Training Images	Testing Images	Unlabeled Images
13986	2993	7288

Cleaning Up The Dataset



Transforming The Dataset



Feeding the Model