

Problem Statement - Food Image Classification Case Study

Dataset: [Food_Images.zip](#)

Context:

Image classification has become less complicated with deep learning and the availability of larger datasets and computational assets. The Convolution neural network is the most popular and extensively used image classification technique in the latest day.

Snippet Ltd. is a stock photography company and is an online source of images available for people and companies to download. Photographers from all over the world upload food-related images to the stock photography agency every day. Since the volume of the images that get uploaded daily will be high, it will be difficult for anyone to label the images manually.

Objective:

Snippet Ltd. have decided to use only three categories of food (**Bread**, **Soup**, and **Vegetables -Fruits**) for now, and you as a data scientist at Snippet Ltd. , need to build a classification model using a dataset consisting of images that would help to label the images into different categories using CNN.

Dataset:

The dataset folder contains different food images. The images are already split into Training and Testing folders. Each folder has four subfolders named `Bread`, `Soup`, and `Vegetables-Fruits`. These folders have images of the respective classes.