

Image Segmentation - Camvid

Overview:

The Cambridge-driving Labeled Video Database (CamVid) provides ground truth labels that associate each pixel with one of 32 semantic classes. This dataset is often used in (real-time) semantic segmentation research.

The dataset is split up as follows:

- 367 training pairs
- 101 validation pairs
- 233 test pairs

These splits are also used in many academic papers on semantic segmentation

In this Hackathon, your task is to build an algorithm capable of performing image segmentation to achieve the best accuracy score.

Data:

Get dataset from here <https://www.kaggle.com/carlolepelaars/camvid>

Follow from here <https://github.com/Anil-matcha/Unet-Camvid/blob/master/Unet.ipynb> as a basic resource

Public and Private LeaderBoard

- Your initial responses will be checked and scored on the Public data.
- The final rankings would be based on your private score which will be published once the competition is over.

Evaluation Criteria

Your model performance will be evaluated on the basis of the **Accuracy Score**.

Rubric

Component	Weightage
Data Cleaning and Data Visualization	25%
Model Building and Evaluation	60%
Pipeline and Deployment (Dashboard/Webapp)	15%