ML/DL Assignment

EagleView

Object Detection is one of the fundamental tasks in computer vision with applications ranging across medicine, robotics, and many others. In this task, you are given a dataset that consists of images containing people and cars. The goal of this task is to train a model that can localize and classify each instance of person and car as accurately as possible.

Dataset Details:

Number of images: 2239
Size: 750 MB (approx.)
Categories: 2 (person and car)
Annotation format: COCO

Data directory structure:

```
data
  |_ annotations
        |_ bbox-annotations.json
  |_ images
        |_ image_000000001.jpg
        |_ image_000000002.jpg
        |_ ...
        ...
```

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Link to download the dataset: https://evp-ml-data.s3.us-east-2.amazonaws.com/ml-interview/openimages-personcar/trainval.tar.gz

Results Format:

We want you to develop and train a model on this dataset to detect person and cars in an image. You are free to use any open-source software and repository.

Deliverable:

1. A brief write-up about your solution explaining your assumption, approach, metrics and other artifacts.
2. A link to your solution code base, either hosted in Google Drive, OneDrive or a GitHub repository.

*we make no representations or warranties regarding the license status of each image and you should verify the license for each image yourself.