Dare2 Compete | Flipkart GRiD

Level 2 (Qualifier): Online Machine Learning Challenge - Medium Complexity Data-set.

Leaderboard

12 : 22 : 39 : 22
Days Hrs Min Sec

Problem Statement

The 2019 GRiD challenge for students is to leverage a pre-defined data-set from Flipkart to enable 'Vertical Classification' using images.

Flipkart Object Localization Challenge

Flipkart Object Localization Challenge consists of developing a model that localizes (identifies the bounding box) the object in an image. Simply put, given an image, the model should produce coordinates of the rectangle where in the object lies (refer Figure 1).

Figure 1. Localizing the Object in the Image

You will be provided a data set which has images and a metadata file containing the name of the image and bounding box (x1, x2, y1, y2) around the object in the image. Your model should take as input an image and produce the coordinates of the bound box.

Your model will be validated against a blind set, which will be shared with you which will contain only the images.

The performance metric used is mean intersection over union of the areas (amongst the rectangle you produce vs. the ground truth), refer Figure 2.

Choose File

Upload Prediction File

Please upload the prediction file in the format as mentioned in the problem statement and as per the test data.

Submit & Evaluate

Choose File

Upload Source File

Please submit a zip file consisting of a text file explaining your approach, details about feature selection, tools you used and the relevant source files.

Submit Source file

Submission Notes

- Code file cannot exceed 20 MB
- Leaderboard will refresh every 15 minutes during the challenge window.
- Maximum 5 submissions are allowed in a day.
- Final leaderboard will appear after the contest ends. It will differ from the live leaderboard as the evaluation data set will be different.

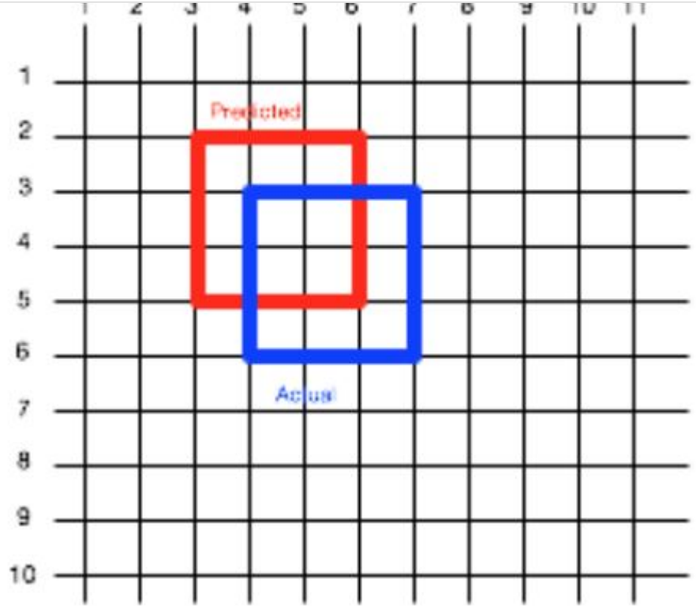

Figure 2. Intersection over Union = 4/14

Data Description

You’re given two different files - Training.csv and Test.csv. The training data set consists samples to train your model. The test data set should be used for submission after predicting bounding box dimensions and same will be used for evaluations. You can download the image data set for the set of all the images you'll require during the challenge.

Please note that the image data set is a huge file of around 13 GB. You have two options to download this set - Torrent or Cloud.

Variable	Description
image_name	image name
x1	x position of the bounding box
x2	x+width of bounding box

y2	y+height of bounding box

Submission File Format

Participant needs to submit the predication file (test.csv) containing the Image Name and the corresponding bounding box values associated with that image in the .csv format.

Download Data Set

Training Set	Testing Set	Image dataset Torrent Link	Image dataset S3 Link
Download	Download	Download	Download

Guidelines

- During the challenge window, your submission will be evaluated only for 50% of the test data named as Public data set. Remaining 50% will be evaluated after the challenge ends.
- You can use any tools or libraries to build your model.
- You need to upload the source file before the window ends after doing your final submission. Without source file submission, your entry will not qualify for final evaluation and results.
- Your leaderboard score must be reproducible from your code files.
- All decisions in matter of eligibility, authenticity & final judgement will be with Dare2Compete.com and Flipkart.