HW#2

P#2

1. How is the data set split into training set and test set? Write down the percentage.

   A. Total 295 images dataset,

      60 % of 295 = 177 training set images

      40 % of 295 = 118 test set images.

2. What is the network input size for the R-CNN network?

   A. inputSize = [224 224 3];

3. What is the value of “numClasses”?

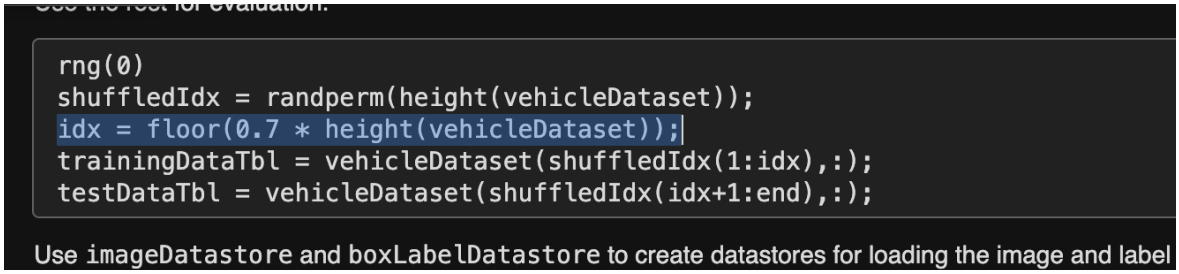
   A. numClasses = width(vehicleDataset)-1;

4. What is the value of “Average Precision” in the example?

   A. Average Percision = 0.76

5. Now select 70% of the data for training and re-run the example. What is the value of “Average Precision”? Copy and paste the PR curve here.

   A. I cloned/downloaded the example model on both cloud and installed desktop software but the code did not run on either of the instances. I did change the fractal percentage to 70% as seen in the screenshot.


rng(0)
shuffledIdx = randperm(height(vehicleDataset));
idx = floor(0.7 * height(vehicleDataset));
trainingDataTbl = vehicleDataset(shuffledIdx(1:idx),:);
testDataTbl = vehicleDataset(shuffledIdx(idx+1:end),:);
Use imageDatastore and boxLabelDatastore to create datastores for loading the image and label