Assignment 2

Object Detection

ACV Autumn

Oct 26, 2020

國立交通大學

National Chiao Tung University

Requirement

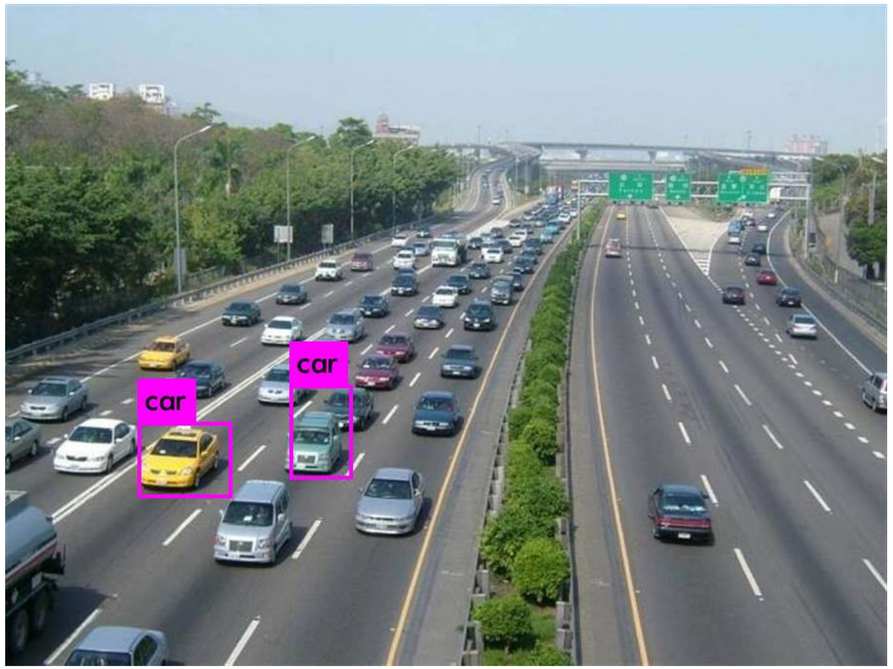
- Use the given pre-trained Yolov3 model to do the detection.
- Set the **threshold** to **0.02** and **0.4** for each image (5 images in total).
- **Write a report**:
  - 10 result images (5 for threshold 0.02, 5 for threshold 0.4).
  - The comparison of the threshold 0.02 and 0.4 (no more than 1 page).

Example

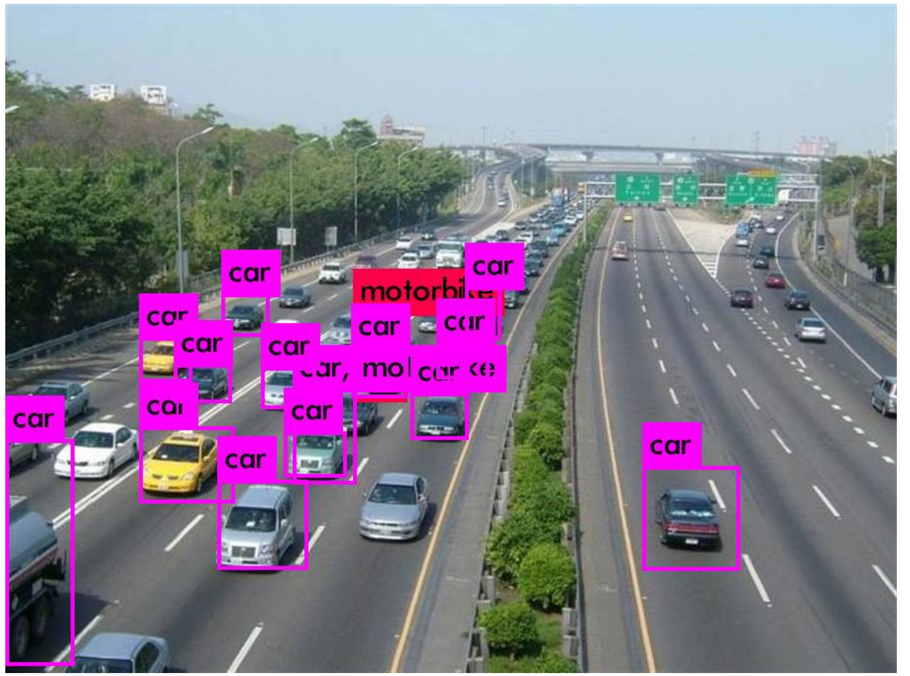
You can check your correctness through the example image (*ex.jpg*).

ex.jpg

threshold = 0.4



threshold = 0.02



Rules

- You are only allowed to use the given model weight (*yolo-acv.weights*), config file (*yolo-acv.cfg*) and data (*obj.data*) to do the inference.
- No more training.
- Test on given 5 images (*image_1.jpg, image_2.jpg, image_3.jpg, image_4.jpg, image_5.jpg*).
- Do not copy others result images.
- Feel free to use any code and function.

Score

- 8 points per image
- 20 points for the report

Submission

- Please name your report as <student_id>.pdf and submit through New e3.
- Due on **Nov 9**, 2020 **23:55:00**

Reference

YOLOv3

- https://pjreddie.com/darknet/yolo/

- If you have any question about this homework, please e-mail to TAs

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