

Title:

People and vehicles counting tool

Task Description:

Implement a tool that detects and counts objects on the image and here is a sample video that shows the expected output from your solutions.

<https://drive.google.com/file/d/1zigtz3WDS-YIn0f0Y0aKIm2W7BNDRyp-/view?usp=sharing>

The object that should be included in your model:

1. Persons
2. Vehicles

I will share a video after the deadline with you to test you model over it

What to deliver:

- A colab notebook that includes your inference in any framework(pytorch or tensorflow or keras) from your chosen. The inference should work with single image and video as well
- A drive link for the weight file that you use
- An explanation that show reasons for using certain modelling structure over others

KPIs:

- Inference time on single image
- Model accuracy
- Time needed by your model to make prediction on a 3 mins video