1. We are using (a small portion of) the Udacity road traffic dataset as an example,

where the target objects are vehicles and traffic lights. The dataset can be found

in the datasets directory and the target values can be found in the .csv files. What

is the form the targets are presented in? What is the difference between training

and validation datasets in a general sense?

In the data set, there are classe id and in which position it can be found.

Training set has generally more datasets than the validation set.

2. Next we’ll take a look at the general architecture of the model. The keras\_ssd7.py

file implements a smaller version of the SSD detector. Open keras\_ssd7.py under

the models-directory, and locate the build\_model function. Try to find where the

first convolutional part (before the convolutional predictor layers) of the network

is defined. How many convolutional "blocks" are there, and what kind of layers is

each block build from?

There are 7 different convolutional blocks. Each layers are built with Conv2D.

3. SSD has it’s own loss function, defined in chapter 2.2 in the original publication.

What are the two attributes this loss function observes? How are these defined?

Prediction box and the ground truth box.

Prediction box is the result of the convolutional network. The ground truth box is defined in the training set.