

A. How To: Run Train and Test Code

Running the train and test code

In order to run the Python train and test code follow these steps:

Set up the environment: Ensure that Python is installed, and create a virtual environment to manage dependencies. (`virtualenv`, `pyenv` or `conda` can be used for this).

```
$ cd Train_and_Test_code
$ pip install -r requirements.txt

$ python train_intersection_dqn_cnn_multi.py
```

The train generated models will be stored in a subdirectory **models**

Required Python Packages: (Listed on *requirements.txt*):

```
gymnasium==1.0.0
highwayenv==1.10.1
rl-agents==1.0.dev0
stable_baselines3==2.3.2
```