



## Training YOLO v3 for Objects Detection with Custom Data

*Installing  
OIDv4 toolkit*

### Installing OIDv4 toolkit for downloading images

It takes just few steps to install *OIDv4 toolkit*. Anyway, if you encounter any issues with installation *OIDv4 toolkit*, let's discuss them in *Question & Answer* board. Together with course-mates we will find solution. Let's consider these few steps for installation, that are also described in official repository [here](#).

#### Clone repository

The first step to implement is *cloning repository*. Activate your *Python v3* environment and run following command in *Terminal* (or *Anaconda Prompt*):

```
git clone https://github.com/EscVM/OIDv4_ToolKit.git
```

If you don't have *git* been installed, run following command in *Terminal* (or *Anaconda Prompt*):

```
conda install git
```

#### Requirements

The next step to implement is *installing needed requirements*. In your activated *Python v3* environment go to the directory with cloned *OIDv4 toolkit*. You can list all available sub-directories in the current directory by using following command in *Terminal* (or *Anaconda Prompt*):

```
dir
```

It will show all sub-directories you can go in, including **OIDv4\_ToolKit**. Go inside this directory by using following command in *Terminal* (or *Anaconda Prompt*):

```
cd OIDv4_ToolKit
```

Pay attention, letter **K** in the name of directory is capital.

Then, run following command in *Terminal* (or *Anaconda Prompt*):

```
pip3 install -r requirements.txt
```

or:

```
pip install -r requirements.txt
```

## Verify

In order to verify installation, simply launch *OIDv4 toolkit* to check available options. Inside the directory **OIDv4\_ToolKit** (if you went outside, simply come back again by using steps described above) run following command in *Terminal* (or *Anaconda Prompt*):

```
python3 main.py
```

or:

```
python main.py
```

or following for more detailed information:

```
python3 main.py -h
```

or:

```
python main.py -h
```

## Useful Links

Check out these links with official resources for installing and using *OIDv4 toolkit* as well as the link to *Open Images Dataset*:

- [1] [OIDv4 ToolKit](#) – official resource with full description
- [2] [Open Images Dataset](#) – publicly available huge dataset with labelled images from 600 classes
- [3] [Cars from Open Images Dataset](#) – explore labelled by bounding boxes images of *cars* in *Open Image* dataset (use options to tick or untick extra information)