

## Section 7. „Object Detection in TensorFlow Container”

Links:

<https://github.com/tensorflow/models>

[https://github.com/tensorflow/models/blob/master/research/object\\_detection/g3doc/installation.md](https://github.com/tensorflow/models/blob/master/research/object_detection/g3doc/installation.md)

[https://github.com/tensorflow/models/blob/master/research/object\\_detection/g3doc/detection\\_model\\_zoo.md](https://github.com/tensorflow/models/blob/master/research/object_detection/g3doc/detection_model_zoo.md)

Commands:

```
$ cd notebooks
```

```
$ git clone https://github.com/tensorflow/models
```

```
$ cd ..
```

```
$ docker-compose up tf_jupyter
```

Open notebooks -> models -> research -> object\_detection

Pillow installation and ProtoBuf Compilation:

```
!pip install pillow
```

```
! apt-get install -y protobuf-compiler
```

```
! cd .. && protoc object_detection/protos/*.proto --python_out=.
```

Model Archive filename:

```
faster_rcnn_inception_v2_coco_2018_01_28
```