



**MASTER IN CITY & TECHNOLOGY**  
**AI IN URBANISM**  
**2019/2020**

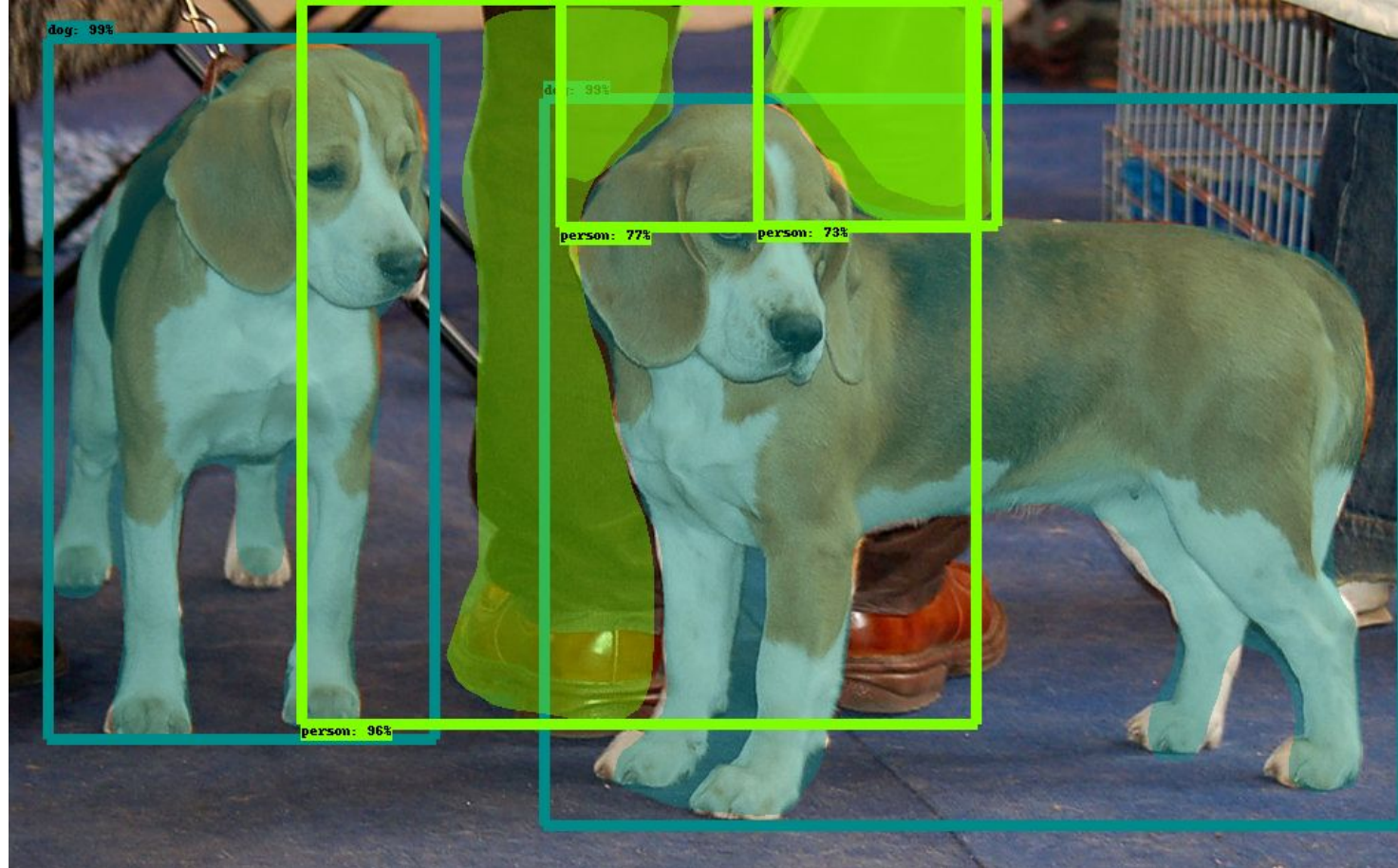
**FACULTY** DIEGO PAJARITO

# AI

## Labeling



GitHub: [https://github.com/tensorflow/models/tree/master/research/object\\_detection](https://github.com/tensorflow/models/tree/master/research/object_detection)



Play with a customised notebook here: [https://github.com/tensorflow/models/tree/master/research/object\\_detection](https://github.com/tensorflow/models/tree/master/research/object_detection)

# AI

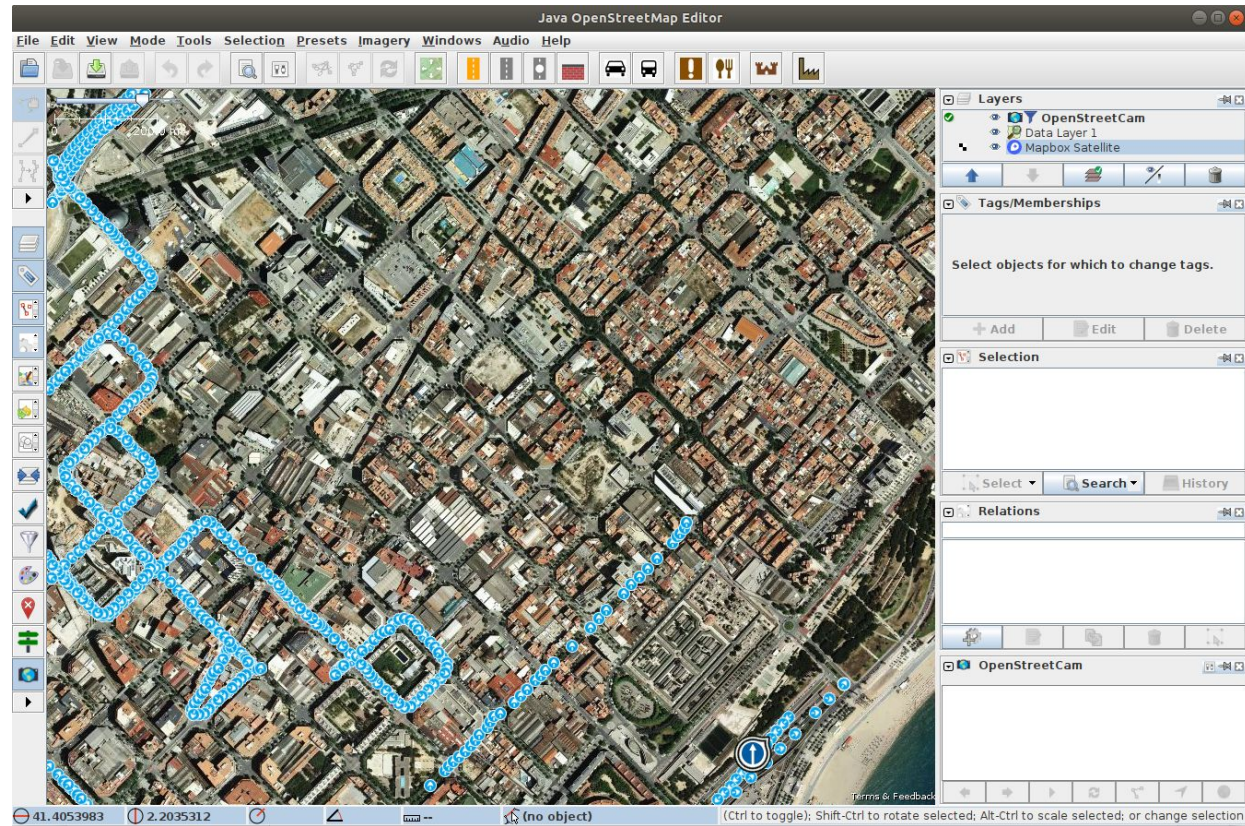
**OpenStreetCam**



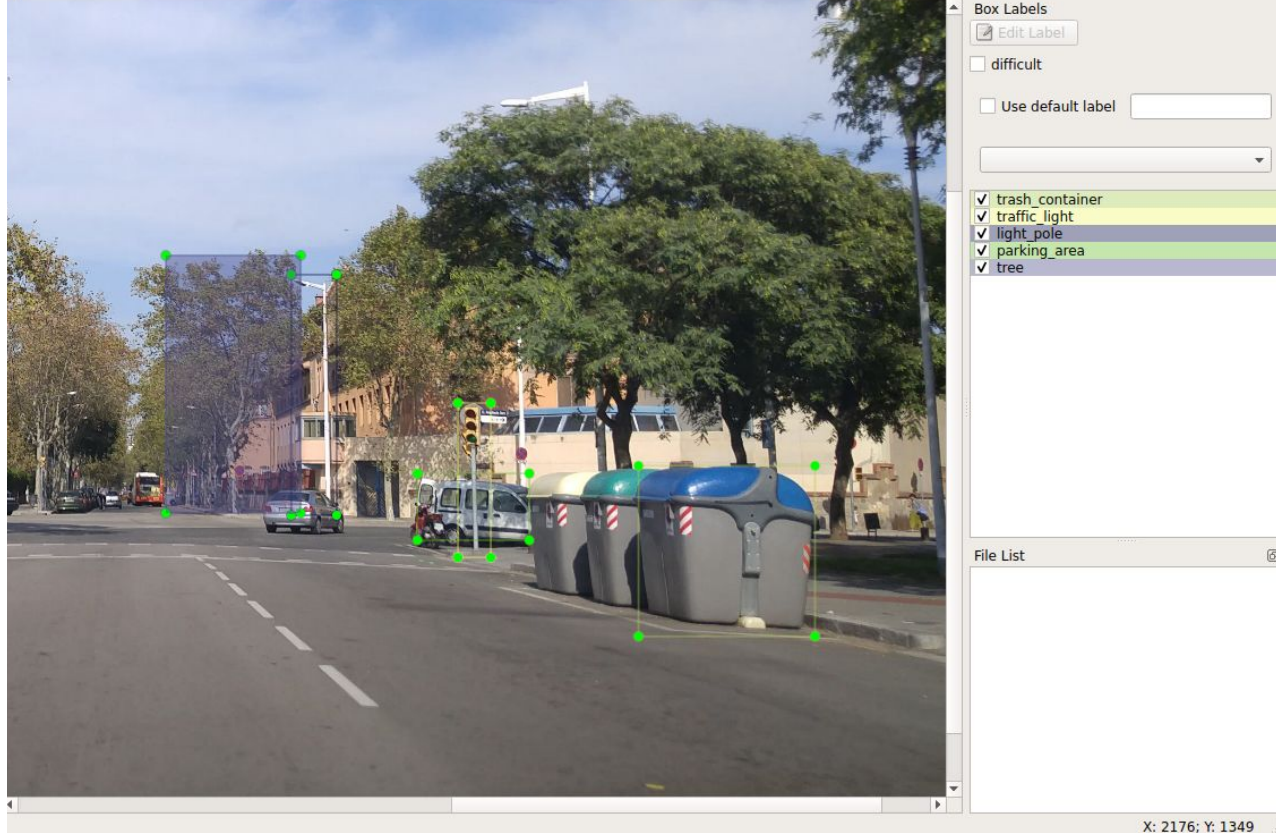
# How would we label urban objects?

Navigate this track: <https://openstreetcam.org/details/22347/135/track-info>





Download links: <https://josm.openstreetmap.de/wiki/Download>



# Labels for urban objects from OSC

GitHub Repository: <https://github.com/tzutalin/labelImg>



## OpenStreetMap @ Grab

OSM Mapping, R&D and big data



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Category: data

A fresh Cygnus+ version

# How is this connected to urban design?

Blog Post: <https://blog.improveosm.org/en/category/data/>

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WELCOME!

This is Grab's blog on all things OSM. Our large team of mappers, software engineers and data experts write about their work. We love to hear from you! Visit our main [ImproveOSM.org](https://www.improveosm.org) website!

# AI

## Comparing different models

**Ava\_label\_map**

**face\_label\_map**

**fgvc\_2854\_classes\_label\_map**

**kitti\_label\_map.pbtxt**

**mscoco\_complete\_label\_map.pbtxt**

**pascal\_label\_map.pbtxt**

**pet\_label\_map.pbtxt**

GitHub Repository: [https://github.com/tensorflow/models/tree/master/research/object\\_detection/data](https://github.com/tensorflow/models/tree/master/research/object_detection/data)

**ssd\_mobilenet\_v1\_coco**

**ssd\_mobilenet\_v2\_coco**

**ssd\_resnet\_50\_fpn\_coco**

**ssd\_inception\_v2\_coco**

**faster\_rcnn\_inception\_v2\_coco**

**faster\_rcnn\_resnet101\_coco**

**faster\_rcnn\_nas**

GitHub Repository: [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)

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