

Crash Time analysis with SUMO

This project will be a reproduction of the paper:

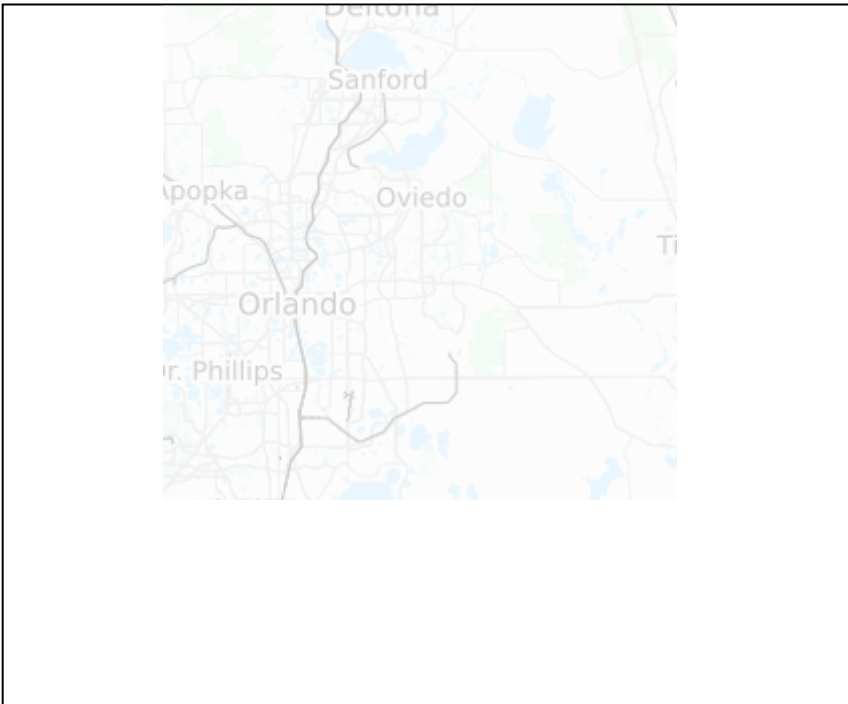


"Towards reducing the number of crashes during hurricane evacuation: Assessing the potential safety impact of adaptive cruise control systems"

First we need to download the street map from

Step 1

<https://overpass-turbo.eu/>



[View Larger Map](#)

step1.2

->Select a box

->Query for turbo :

```
highway=motorway || highway = motorway_link
```

step1.3

Run and Export the file in XML format else we can not later on convert to .net file for sumo

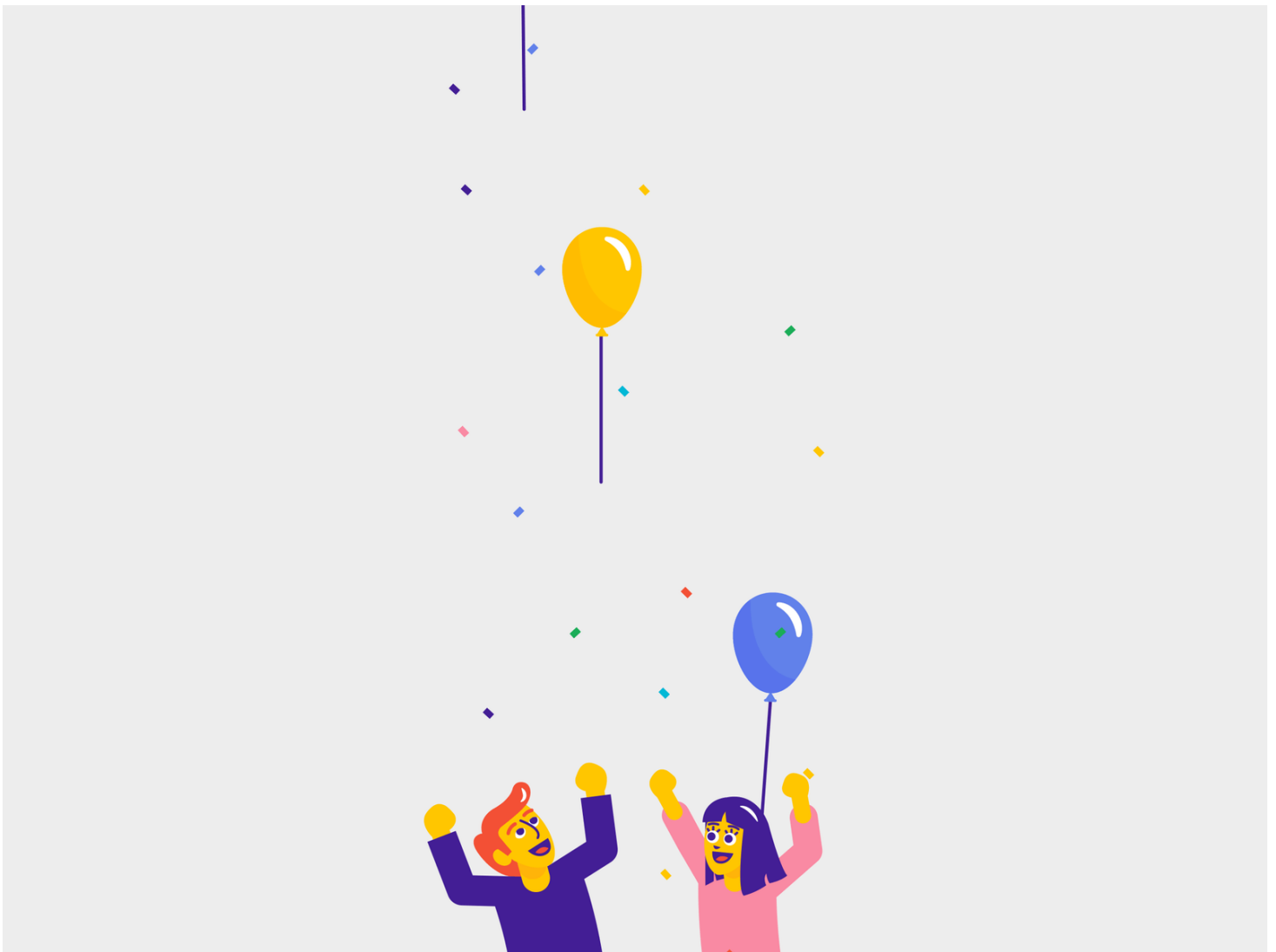
- To do this I have downloaded the json file with overpass api
- then I renamed the extension to ".osm.xml"

step 1.4

Open terminal and run the code.

Code to convert xml file of map to net file

```
netconvert --osm-files berlin.osm.xml -o berlin.net.xml
```




Congratulations !

Next Step (2)

Open the .net file in netedit soft



Follow the [Advanced Tutorial](#)

- create nodes done ☒
- creat edges [not done : dont know why] [as per Reza Bhai it is done automatically when net edit is created]
- creat .net file done ☒
- creat route file: 
 - renamed the nodes and drawn in one note
 - Rename the edges: This part I am not sure
- creat a config file
- creat settings file