

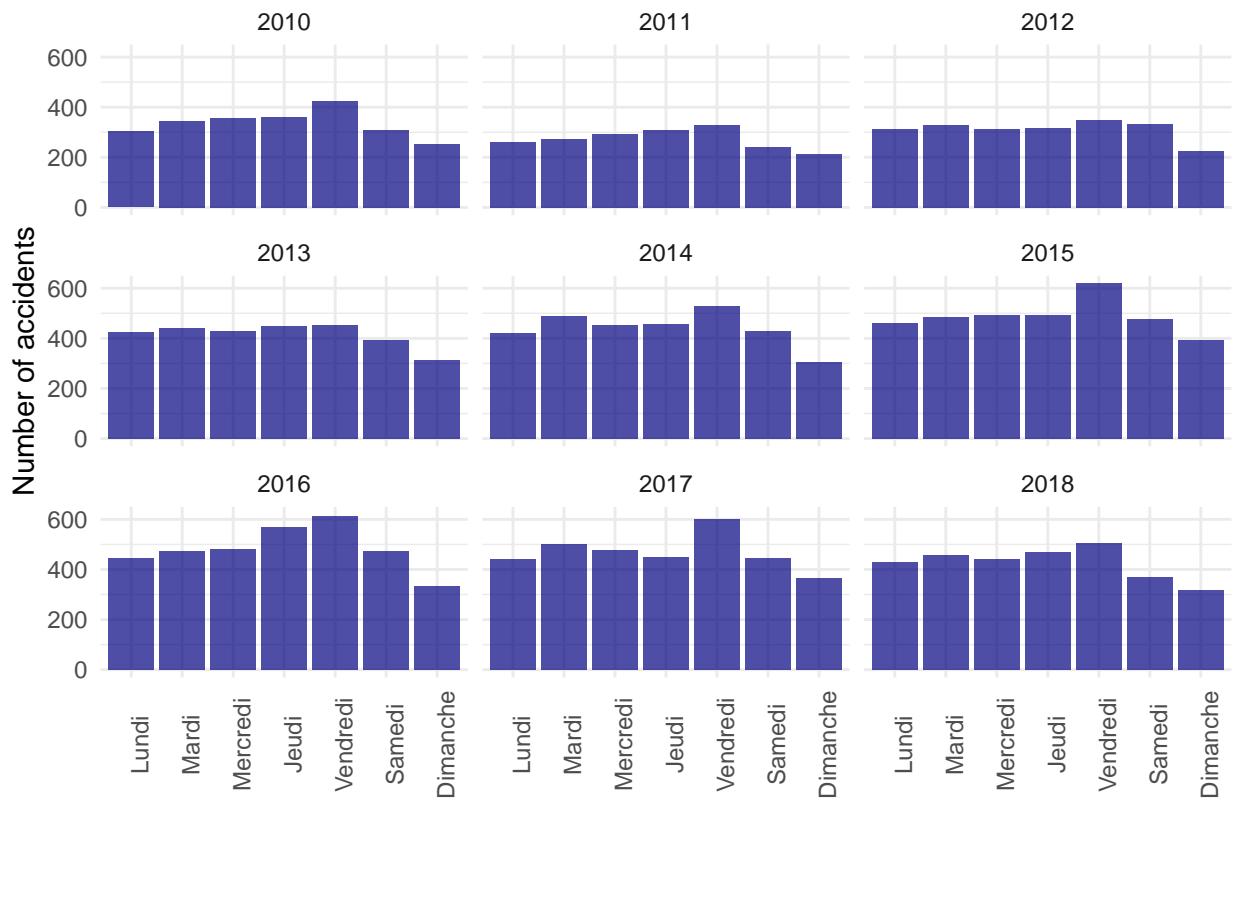
Road accidents

Selim Ach

10/15/2020

The data that is analyzed in this report is related to road accidents occurring in Geneva. These type of data are usually presented in a table, but there are better ways, such as using maps.

Let's first look at the overall data with a first overview of the number of accidents by day and year.



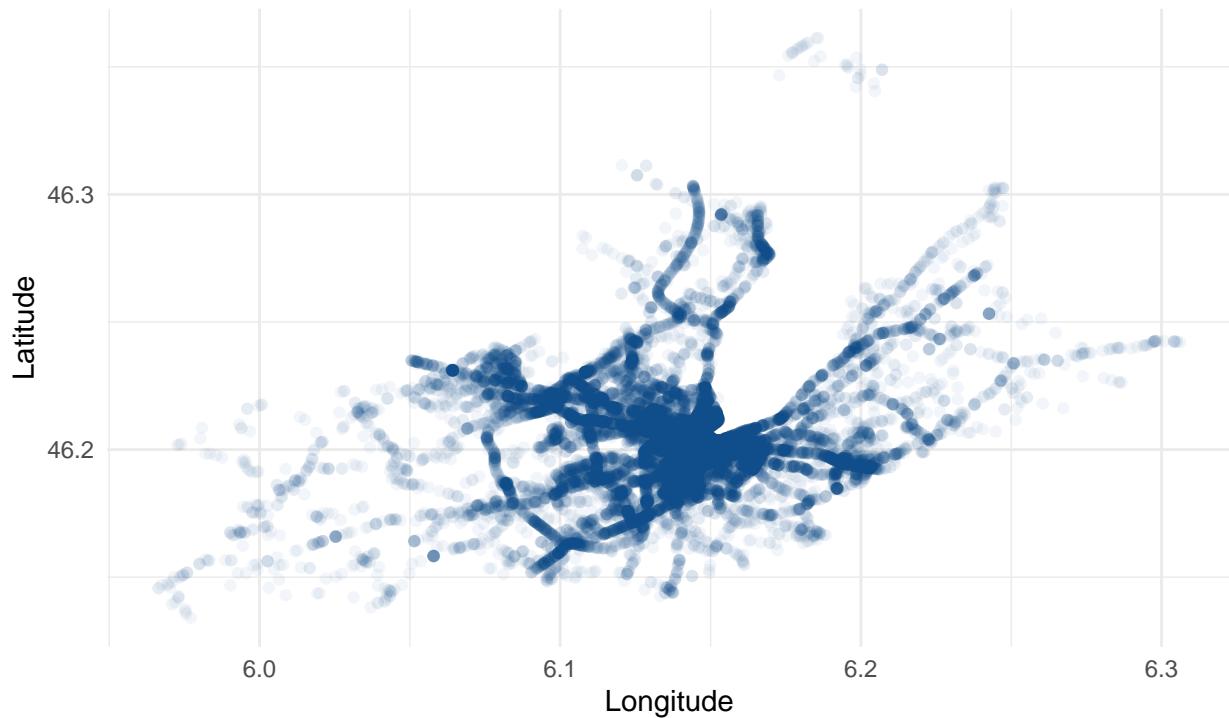
Since the information on longitude and latitude is available, it is possible to plot on a graph the exact location of each accident.

Table 1: Extract of the information on road accidents in Geneva

date	groupe_accident	commune	conditions_meteo
2010-06-16	Dérapage ou perte de maîtrise	Bernex	Pluie
2010-02-25	Accident impliquant des piétons	Genève	Beau temps
2010-09-13	Accident en parquant	Genève	Beau temps
2010-12-06	Accident en s'engageant sur une route	Carouge	Beau temps
2010-11-04	Accident en quittant une route	Pregny-Chambésy	Temps couvert
2010-12-26	Dérapage ou perte de maîtrise	Genthod	Temps couvert
2010-04-09	Accident par tamponnement	Bernex	Beau temps
2010-08-06	Dérapage ou perte de maîtrise	Lancy	Beau temps
2010-11-30	Dérapage ou perte de maîtrise	Genève	Chute de neige
2010-02-01	Dérapage ou perte de maîtrise	Genève	Beau temps
2010-07-14	Accident par tamponnement	Versoix	Beau temps
2010-05-19	Dérapage ou perte de maîtrise	Genève	Beau temps
2010-03-04	Accident par tamponnement	Genève	Beau temps
2010-03-01	Dérapage ou perte de maîtrise	Genève	Beau temps
2010-06-20	Accident par tamponnement	Genève	Beau temps

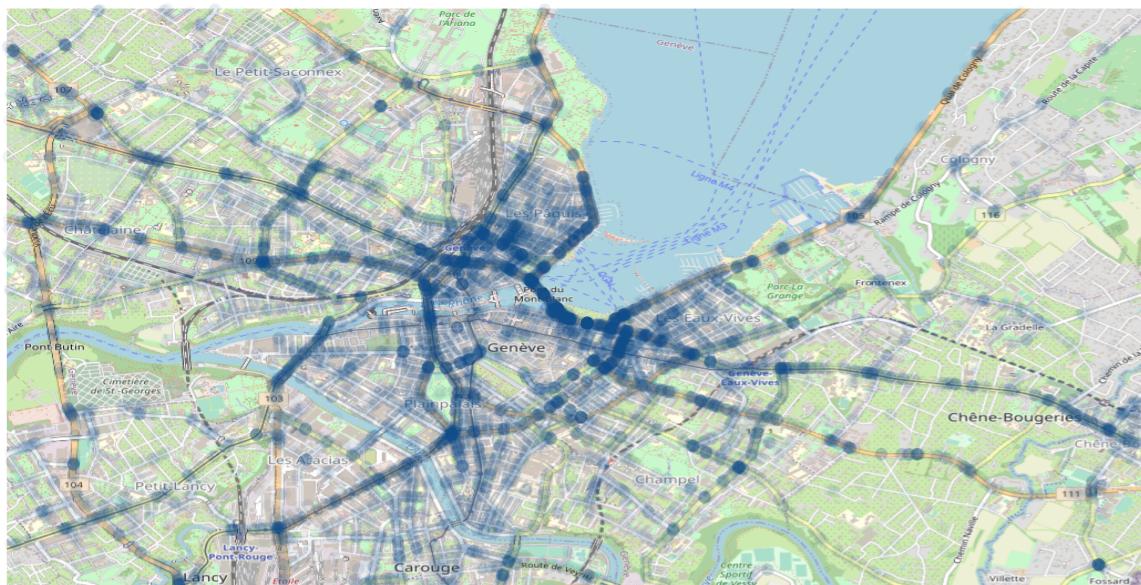
Road accidents in Geneva

All accidents from 2010 to 2018



Source: SITG

Road accidents in Geneva

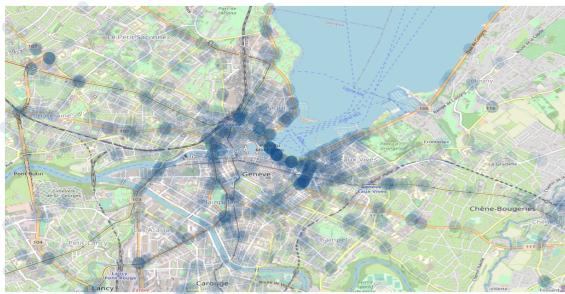


Source: SITG

An extra layer with Geneva map is added on top of the location.

Year 2018

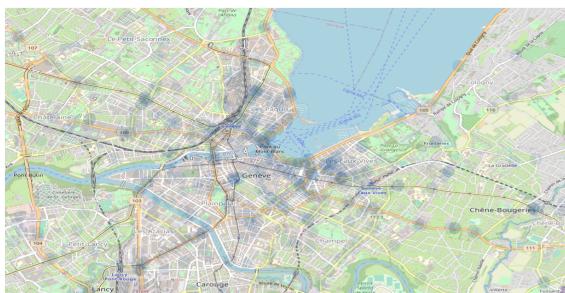
Beau temps



Pluie



Temps couvert



Source: SITG

These set of maps show the location of road accidents in Geneva during the year 2018. But are there more accidents during a rainy day ? Surprisingly the data indicates that accidents are occurring during sunny days.

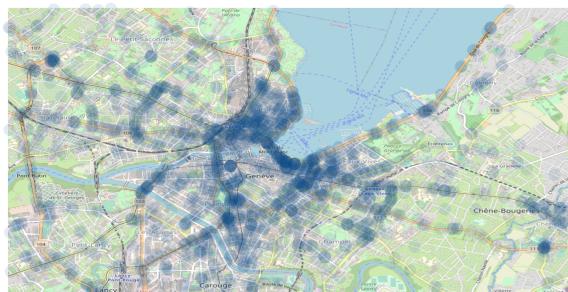
But let's look at the number of accidents per year by developing a set of maps that will display accidents by year since 2015.

Road accidents in Geneva

2015



2016



2017



2018



Source: SITG