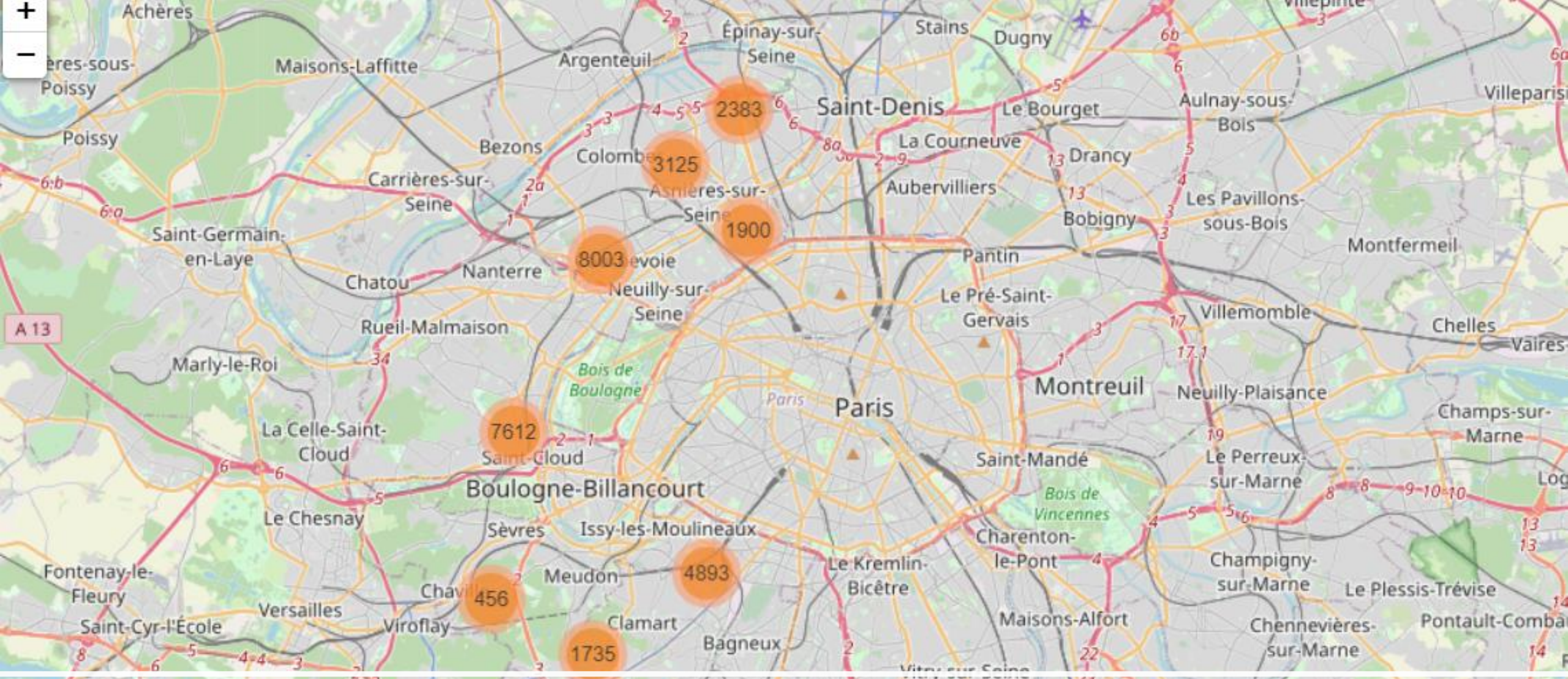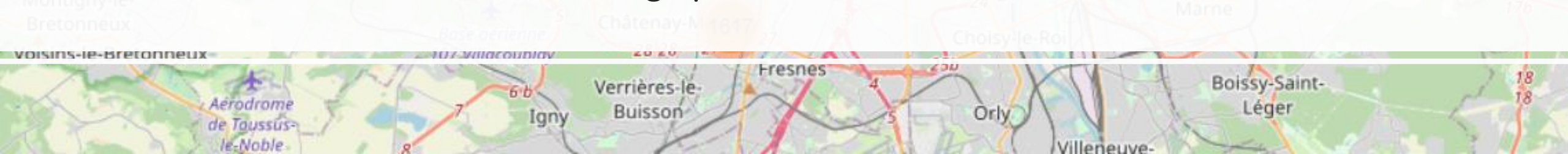# Accident Analysis in the "Hauts-de-Seine" department

Coursera: **Applied Data Science Capstone**
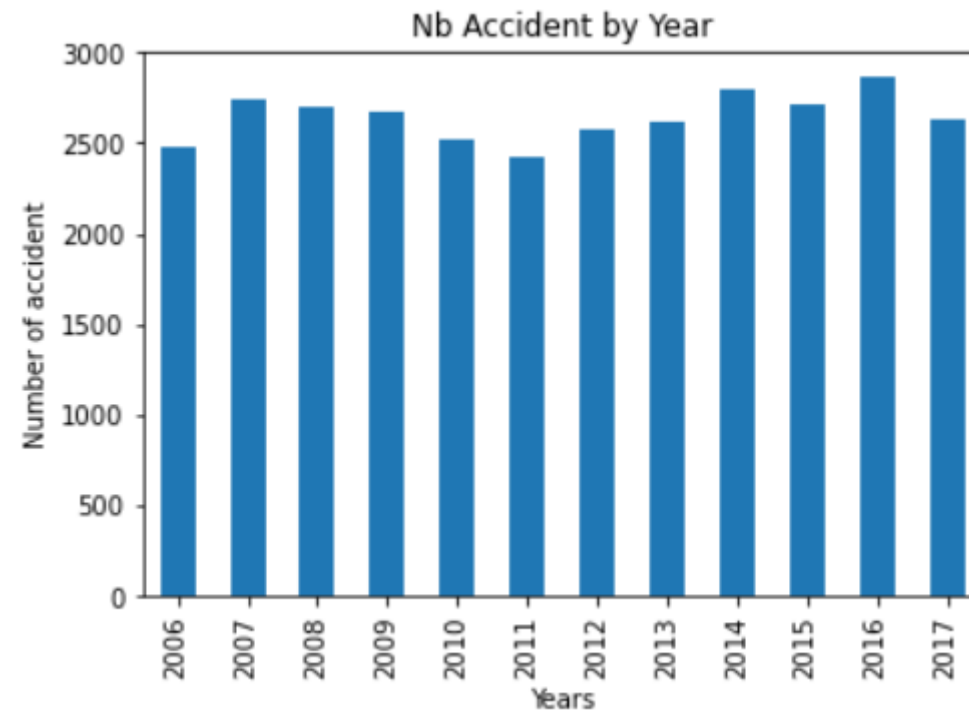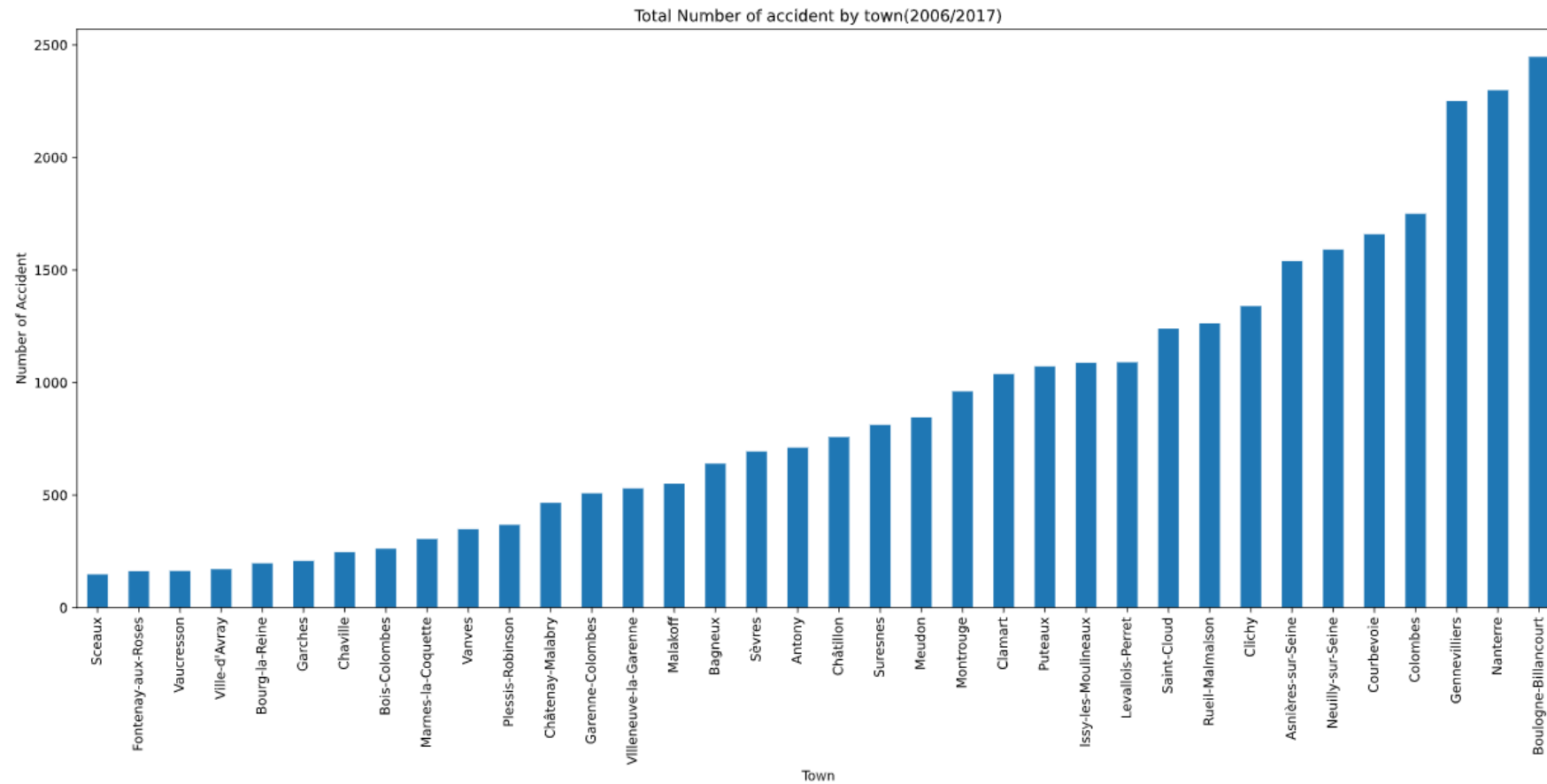
Philippe RAMEIX

Evolution and Geographical distribution of the accidents
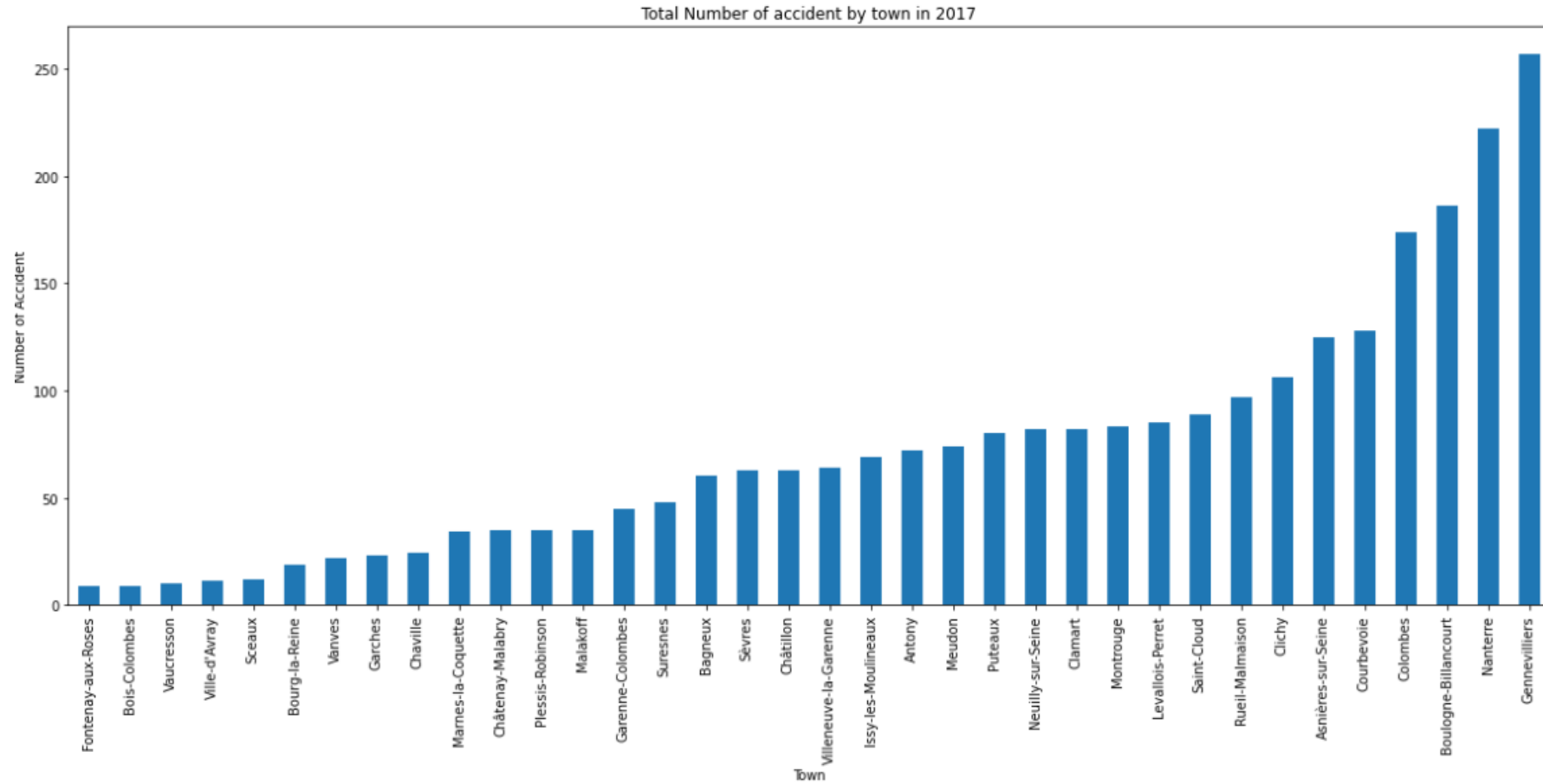
Evolution Between 2006 and 2017

Evolution Between 2006 and 2017 by Town

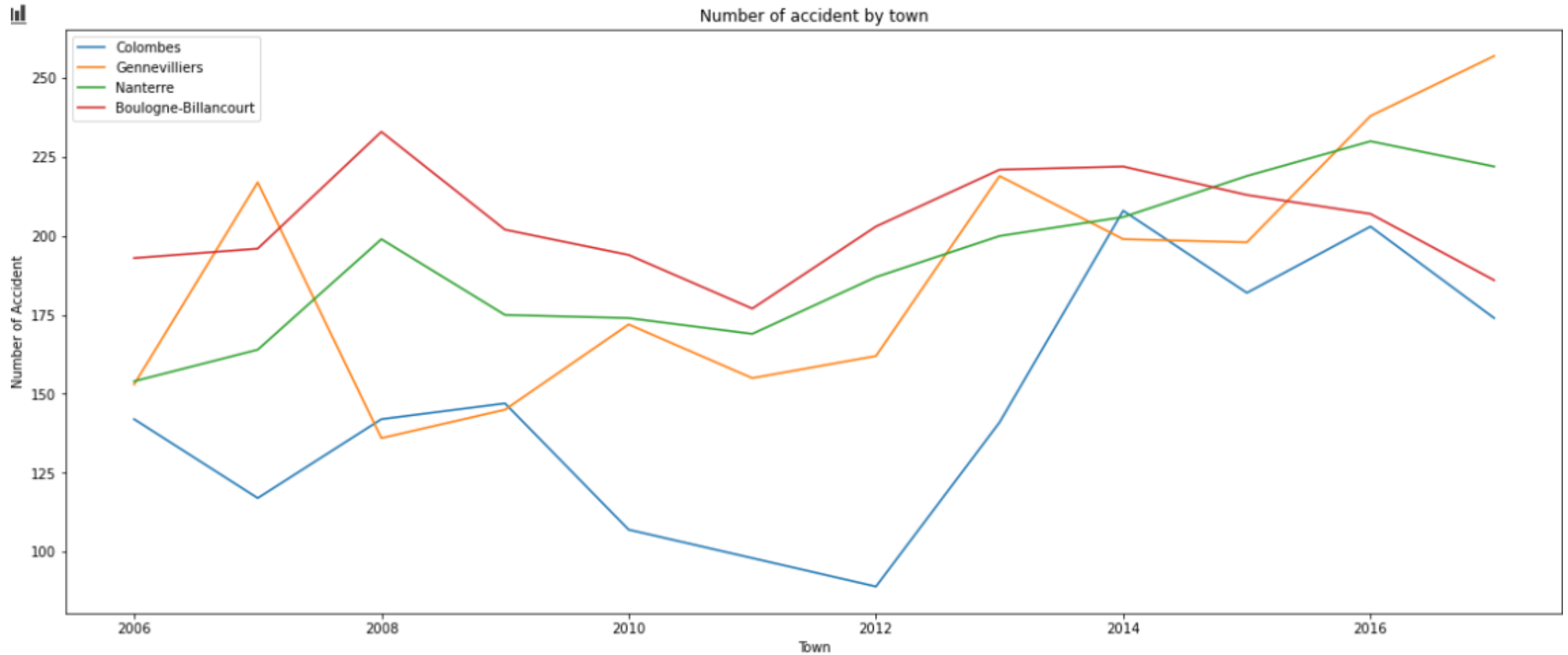Total Number of accident by town(2006/2017)

Situation in 2017

Total Number of accident by town in 2017

Choropleth map for 2017
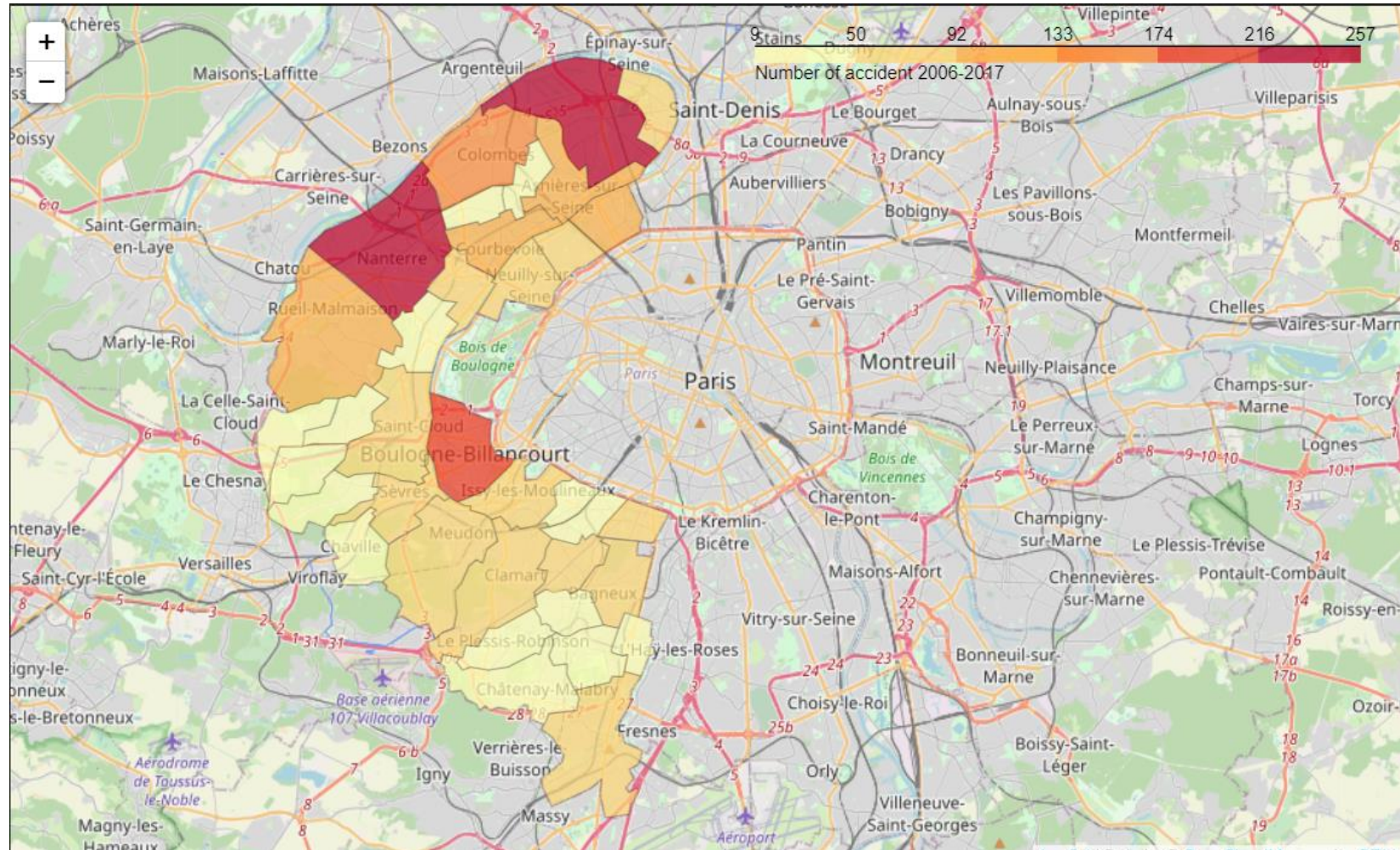
Evolution for the top 4 cities

Number of accident by town
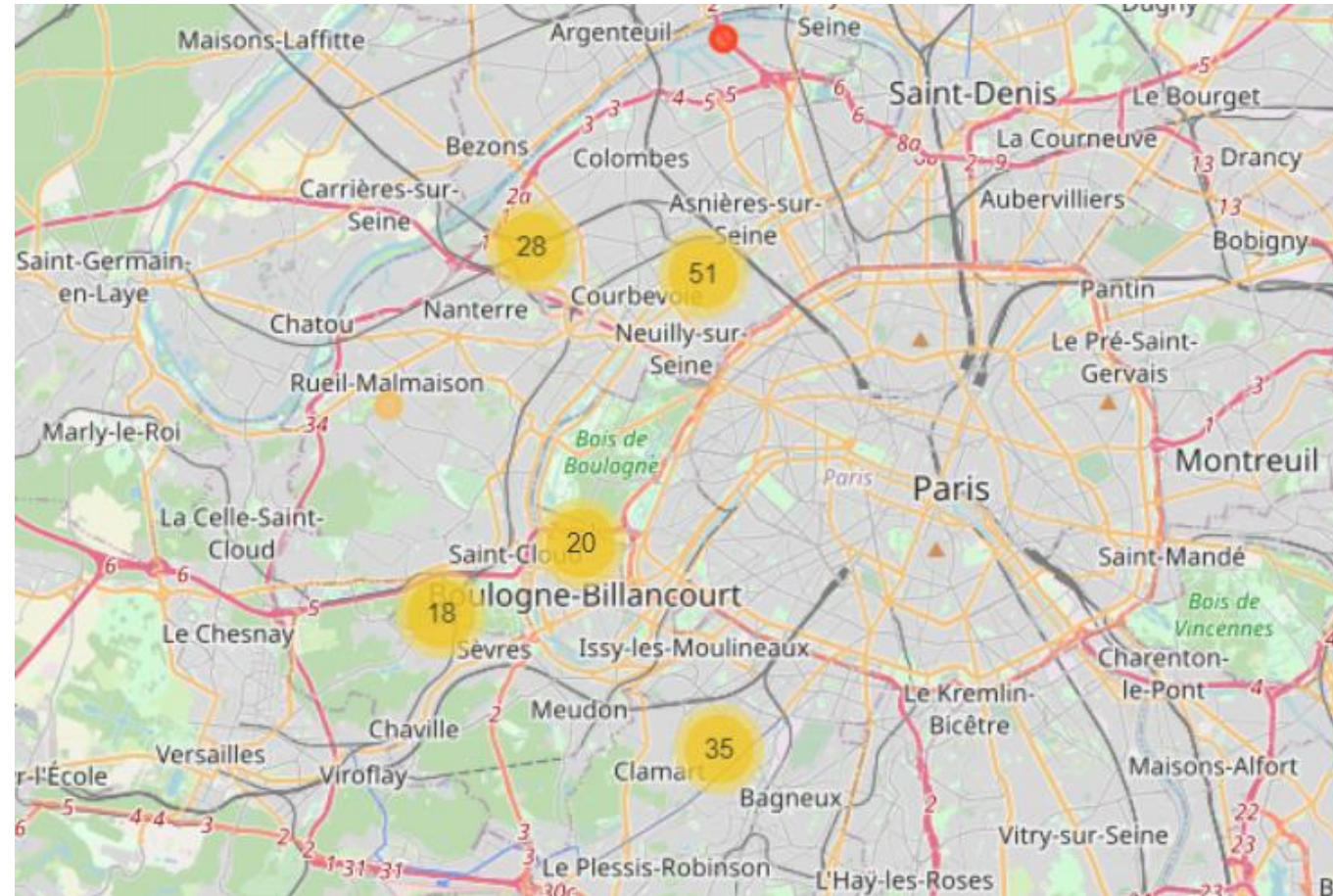
K-Means Clustering

- two clustering analysis using the K-Means algorithm
  - with the columns describing: the number of vehicles, day/night, the severity of the accident, the types of vehicles involved, the drunk state and the type of collision.
  - Another one, simpler, without the type collision

map of the accident caused by alcohol or drug

Map of lethal accident