Selecting Noise Sensor Placement Locations using Bar Location data from Four Square API

Problem and Background

The city of Kampala, Uganda in East Africa in the last ten years has become a noisy City following the growth and proliferation of bars and nightlife generally.

Noise pollution has been identified by the WHO as one of the causes of mental instability and other health conditions.

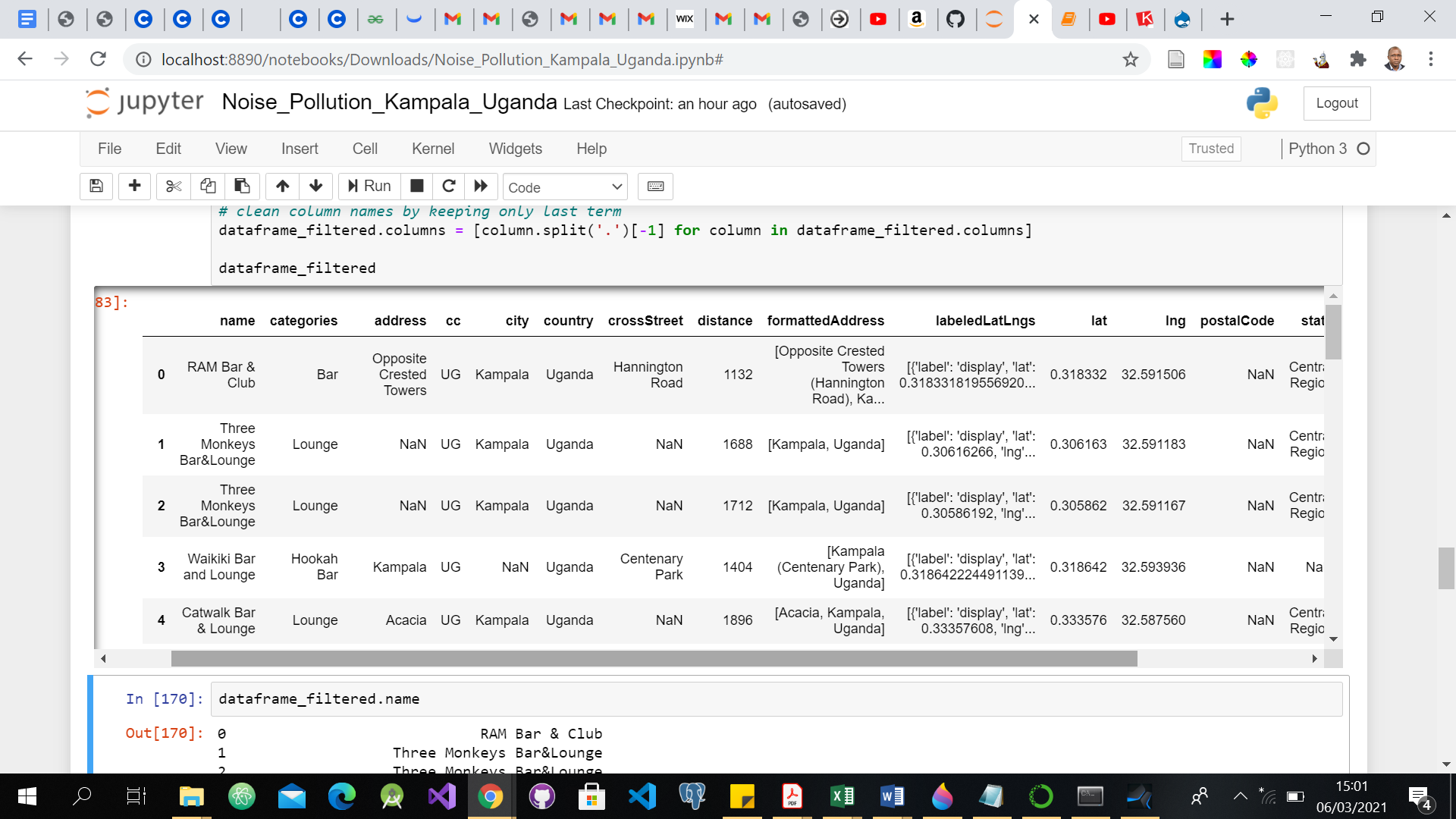
In Kampala, noise pollution caused by hangout spots continues to be a source of fights between residents, the city council and bar owners.

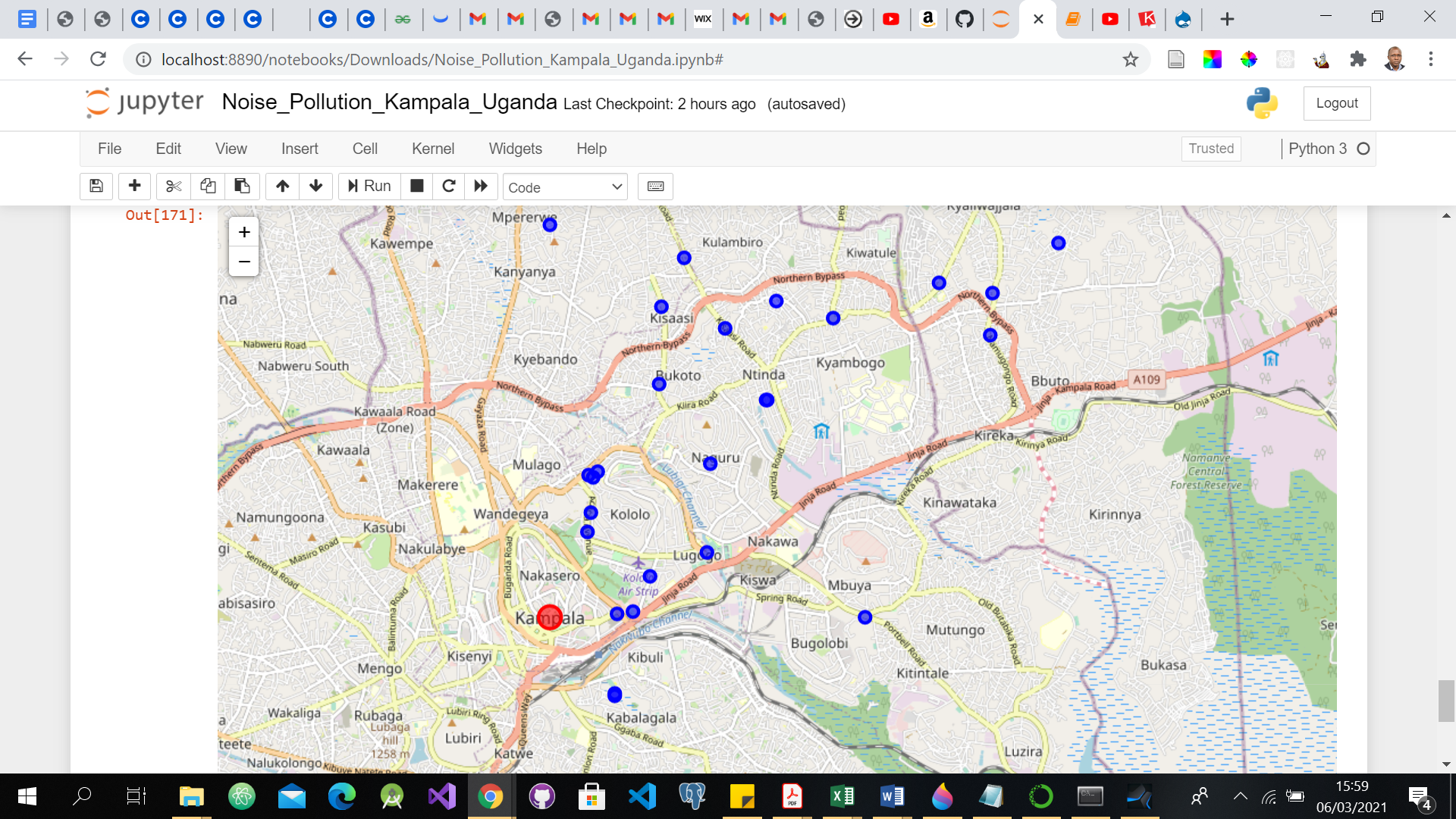
In a bid to make Kampala a smart city, there is need to manage noise pollution by detecting noise beyond agreed thresholds.

**Analysis of Data**

Using the Foursquare API we are able to obtain the location coordinates of the bars after some cleaning.

This provides the starting point for surveys for where to place noise sensors.





**Future Work**

It may help in the future to identify bars which are close to residential areas and focus on those.