

Discussion of the background - Description of the problem

COVID-19 pandemic is an ongoing global public health issue which caused significant damage around the world. What could we learn from this trouble and how to prevent further spread of damage? In objective aspect, the occurrence of cases is highly related to both local and global geospatial properties of places. Toronto is a typical global city with different culture groups. Its diversity and population mobility might provide valuable indication on transmission pattern of virus, moreover, the information about and appraisal of local epidemic might be able to provide reference to other places in the world.

In this project, we will explore the influence of different venues categories on the occurrence of COVID-19 cases in the city of Toronto, Canada, with some basic data science techniques. The result might be concerned by local government for decision-making on related questions. For example: what kinds of facilities might need to have more hygiene controls and even closures to slow or even control the spread of virus.