Project Proposal – Toronto’s Income Distribution and Inequality

By:

Yen Duong

Avis Sokol

Alicia Freites

Team YEAA (just for a fun name)

Income inequality has risen around the globe, affecting more than three-quarters of member countries in the Organization for Economic Co-operation and Development (OECD). It has in- creased not only in countries with traditionally high levels of inequality, such as the United States and the United Kingdom, but also in those with traditionally lower levels, such as

Sweden and Finland. It also differs markedly among OECD countries, with Canada ranking in the middle of the group, but experiencing a more rapid increase in inequality since the mid-1990s than most other nations (OECD, 2011).

The amount of development and growth that Toronto has undergone in the last two decades has been exponential. Since 1990, Toronto’s population has grown from over 2 million people to 6 and a half million as of 2016. That’s a lot of people moving in. The amount of gentrification that Toronto has undergone in many of its neighborhoods has done a lot to benefit the residents. Here is our top 7 list of the hottest up-and-coming Toronto neighborhoods and its wards:

**Leslie Ville East and Danforth Village – ward 30 & 29 – Danforth**

**Downsview – ward 9 – York Centre**

**Regent** **Park and West Don Lands – ward 28 - Centre-Rosedale**

**Birch Cliff – ward 36 – Scarborough south**

**Gerrard East – ward 32 – Beaches East York**

**Rockcliffe-Smythe – ward 11 & 12**

**Yonge between Sheppard and Finch – ward 23 - Willowdale**

Toronto is a city of neighbourhoods and we want to describe how the population composition changes between Wards. We will use income as a main indicator of differences between wards. We will add a layer of family composition, dwelling ownership, education levels and its distribution across Toronto’s wards for 2011 and 2016.

The purpose is to visualize using maps, the hidden pockets in Toronto where income levels have changed between 2011 and 2016 census data from Statscan and we expect that the mentioned Wards will have the highest change in income.

We will be using two static maps with income, identifying low income, medium income and high income by Toronto’s 44 wards for each year with a drop-down menu user interaction and overlaying the % different between 2011 and 2016 to identify which wards have the most and least income change.

Build an interactive graph with demographic data such as:

1. rental vs own dwellings,
2. family composition with children and without children
3. Income, low, medium and high
4. Education levels

Build an interactive graph with Major Crime stats from Toronto Police from 2014 and 2018.

Data will be collected with csv files and presented in a website summary dashboard using bootstrap and javascript.

We expect to achieve a robust visualization that users can interact and see the changes.