

CSDA1050 – Advanced Analytics Capstone

**INFLUENCE OF LIVING HOMES
BY INDUAL PERSON INCOME
IN TORONTO AREA**

Household Vs Income Analysis

**A Project Proposal Submitted By
SRIPRANAVAN SRITHARAN
(ID: 304378)**

1 Research Background

Why is this important topic? Cities have always had pockets of wealth and poverty. Neighbourhoods in the great cities of the industrialized world have undergone many transitions over the course of their history. However, the City of Toronto's neighbourhood transition has been relatively sudden and dramatic, and the changes have serious consequences for Toronto residents.

It focuses on who lives where, based on the socio-economic status of the residents in each neighbourhood, and how the average status of the residents in each neighbourhood has changed certain year period.

2 Objectives of the Research.

- The specific research question of this project,
 - To identify the best model relationship for tile.
 - To identify the model of individual person income
 - To identify the housing work in Toronto
 - To analysis the household income models and relationship.

3 Literature Review and Data sets

- http://creastats.crea.ca/treb/mls02_category.html

Single detached home sales numbered 7,085 units in the first quarter of 2019, this edged up 2.7% when compared to the same period in 2018. Semi-detached unit sales numbered 1,461 units in the first quarter of 2019, edging down only 1.9% when compared to the same period in 2018. Condominium townhouse unit sales numbered 1,189 units in the first quarter of 2019, up 10 sales compared to the same period in 2018. Condominium apartment unit sales numbered 4,731 units in the first quarter of 2019, slowing 6.8% when compared to the same period in 2018.
- <https://www12.statcan.gc.ca/census-recensement/2016/dp-pd/prof/details/page.cfm?Lang=E&Geo1=CSD&Geo2=PR&Code2=01&Data=Co>

[unt&SearchType=Begins&SearchPR=01&TABID=1&B1=All&Code1=3520005&SearchText=toronto](https://www.toronto.ca/wp-content/uploads/2017/10/8f41-2016-Census-Backgrounder-Income.pdf)

Census Profile, 2016 Census, Toronto City, Ontario and Statistics Canada is committed to protect the privacy of all Canadians and the confidentiality of the data they provide. It's providing Population, Families household and merited status, Housing, Income, Family members, Population age, Work, etc. It's sowing 12* 2500 useful data

- <https://www.toronto.ca/wp-content/uploads/2017/10/8f41-2016-Census-Backgrounder-Income.pdf>

2016sus: Income, Statistics Canada, released data on the topic of income

4 Proposed Methodology

This project working for objectives specified as given and title above through the data collection and analysis the different model and will show results of multiple data sources and it will recommendations/suggestions for decision making

- R language will use for analysis the data
- One-year data will collect (2016, January to December) and will predict the coming model
- Will calculate Correlation model to support the result
- Will show the different graph analysis using data to take decision
- Give the results to analysis the data

5 Project schedule

- Project Proposal – July 15, 2019
- Sprint #1 – Data Collection and exploration – July 29, 2019
- Sprint # 2 – codebase - August 12, 2019
- Presentation review – August 20, 2019
- Final Project Submission – Final report, August 27, 2019