

Licensed Child Care Spaces in Toronto's 25 Wards*

Investigating the impact of average income and child population

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First sentence. Second sentence. Third sentence. Fourth sentence.

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1 Introduction

You can and should cross-reference sections and sub-sections.

The remainder of this paper is structured as follows(R Core Team (2022)).

(R Core Team 2022) (Wickham et al. 2019) (Müller 2020) (Xie 2023a) (Xie 2023b) (Gelfand 2022) (Wickham et al. 2023) (Firke 2023) (Wickham 2011)

The remainder of this paper is structured as follows(R Core Team (2022)).

*Code and data are available at: https://github.com/ThomasWilliamFox/toronto_child_care

2 Data

2.1 Licensed Child Care Centres in Toronto

The first data set I explored is... (Table 1) from Gelfand (2022).

Table 1: Sampled of Cleaned Toronto Licensed Child Care Data

Facility ID	Ward Number	Total Spaces	Type
	1	3	Non Profit Agency
	2	8	Non Profit Agency
	3	25	Non Profit Agency
	4	10	Non Profit Agency
	5	20	Non Profit Agency
	6	24	Non Profit Agency

I then visualized the total child care spots per ward (Figure 1) from Gelfand (2022).

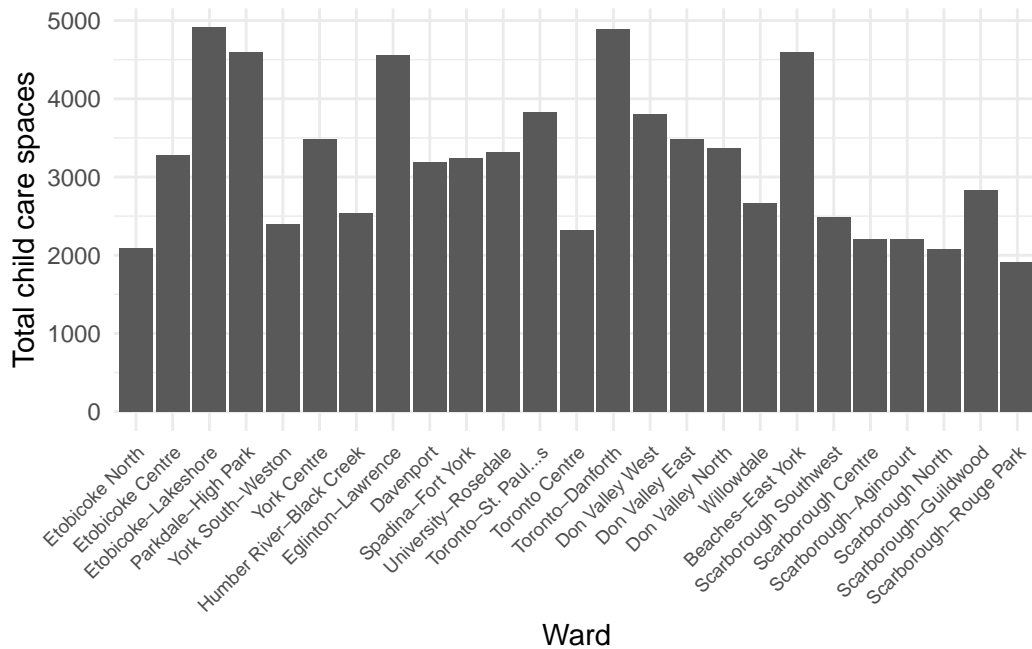


Figure 1: Total number of child-care spaces by ward

2.2 Toronto Ward Profiles Based on 2021 Canada Census Data

I then looked at the profiles of Toronto's 25 wards based on the 2021 Canada Census (Table 2) from Gelfand (2022).

Table 2: Sample of Cleaned 2021 Canada Census Data

Ward Number	Age 0-4	Age 5-9	Age 10-14	Average Household Income	Median Household Income
1	5755	6160	6585	95200	81000
2	5105	5825	6370	146600	100000
3	6765	6180	5515	127200	90000
4	4770	5015	5230	127200	85000
5	6045	6060	6360	88700	72000
6	5265	5205	5085	107500	82000

I used this data to determine what number of the population is under the age of 15 in each ward (Figure 2).

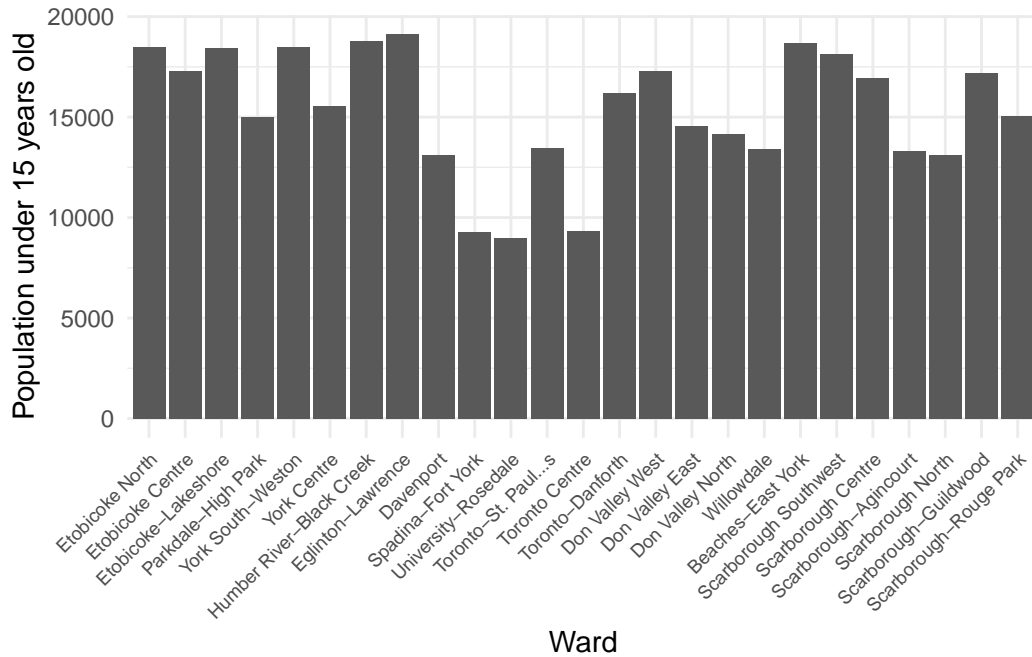


Figure 2: Population under 15 years of age by ward

I then looked at what the average income was per ward (Figure 3).

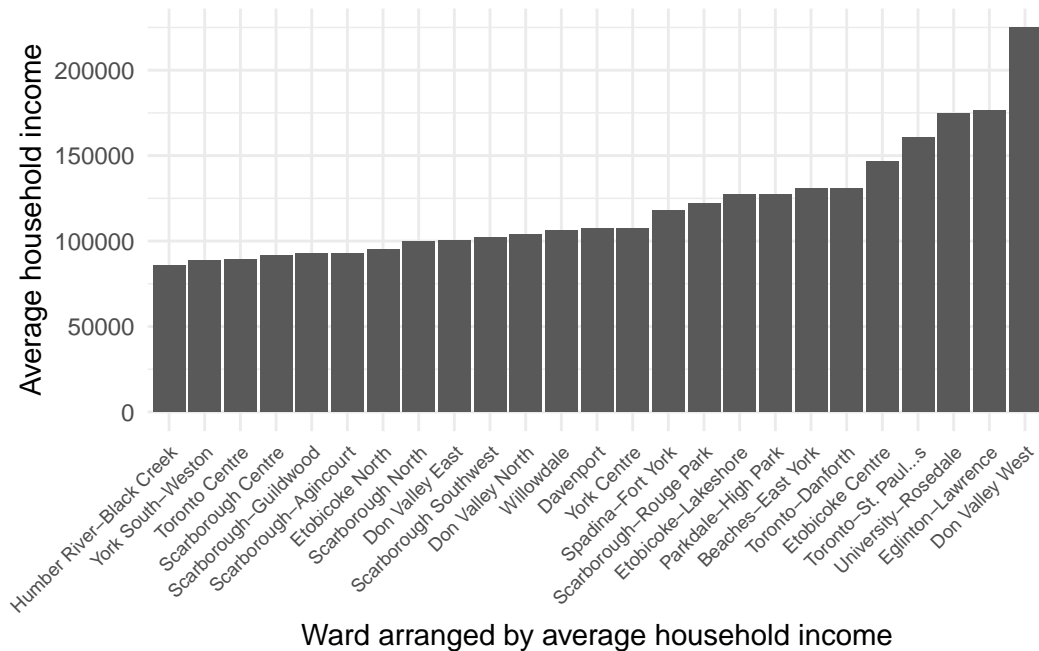


Figure 3: Average household income by ward

2.3 Investigation

I then made a graph that displayed the number of child care spaces in each ward in ascending order based on average household income (Figure 4)

I then constructed a scatter plot showing the number of children under the age of 14 per child care space in each ward arranged in ascending order by average household income (Figure 5).

Talk more about it.

And also planes. (You can change the height and width, but don't worry about doing that until you have finished every other aspect of the paper - Quarto will try to make it look nice and the defaults usually work well once you have enough text.)

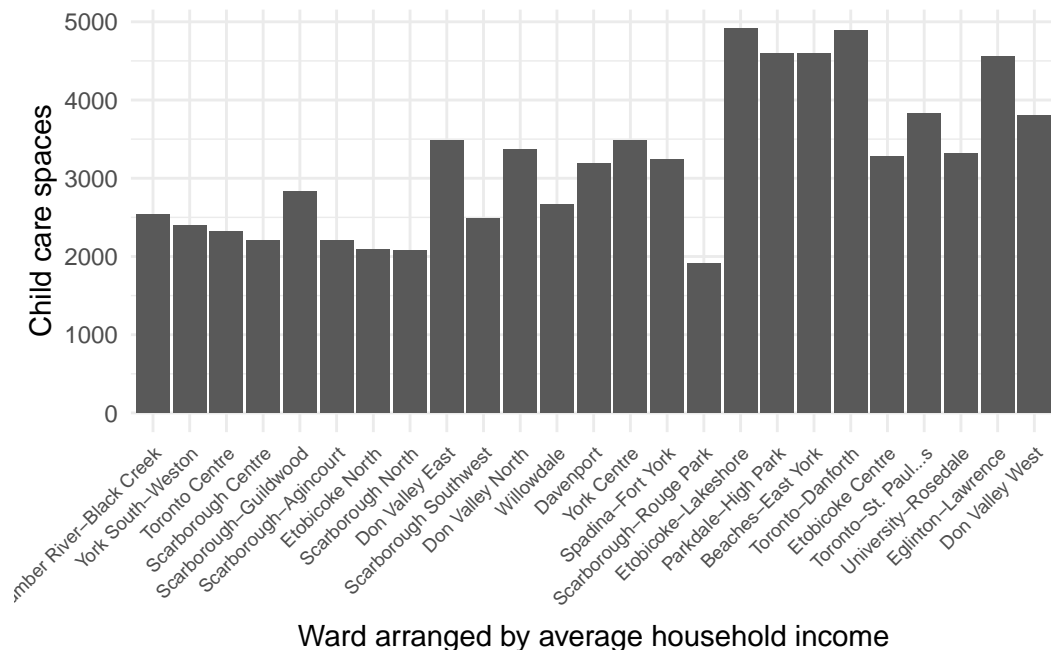


Figure 4: Number of child care spaces by ward (arranged by average income)

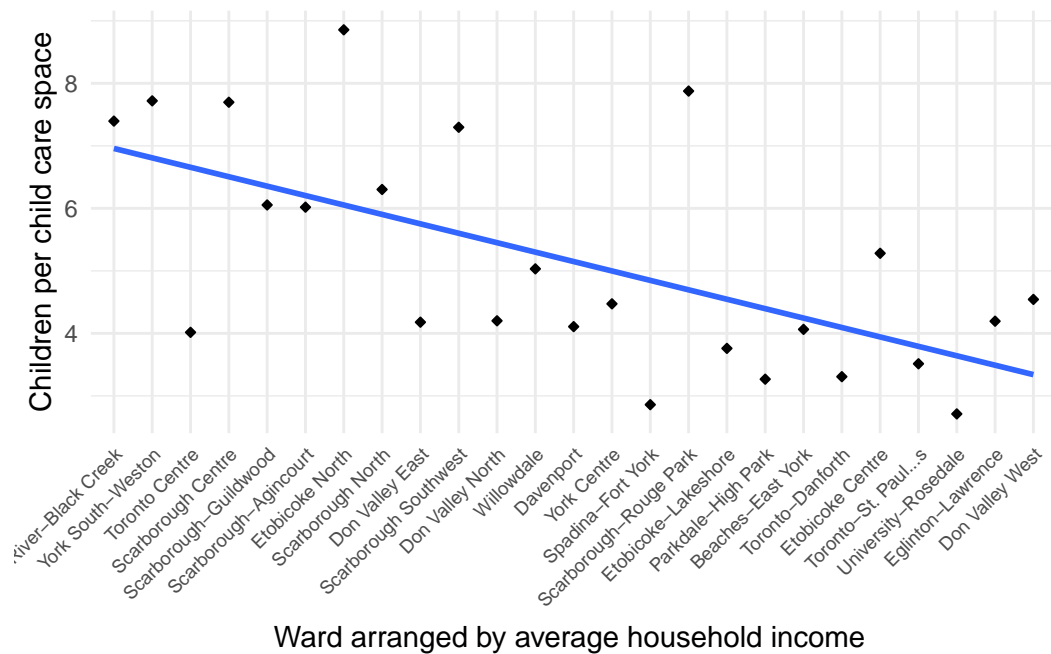


Figure 5: Number of children per child care space by ward

Appendix

Table 3: Sample of Merged Licensed Child Care Centres in Toronto and Ward Profiles (2021 Census Data) used to build graphs

Ward Number	Average Household Income	Child Care Spaces	Population Aged 0 - 14
Etobicoke North	95200	2089	18500
Etobicoke Centre	146600	3276	17300
Etobicoke- Lakeshore	127200	4910	18460
Parkdale-High Park	127200	4596	15015
York South-Weston	88700	2392	18465
York Centre	107500	3478	15555

References

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