

Best recommendations for housing with a target value given the preferences of the consumer

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1 Introduction

In this succinct report we give the most relevant data to our problem. To start, we state the problem and give a description of the data we will be using.

Our problem is as follows: *let us be an individual immigrating to toronto and we want to know the best neighborhood for us to live in.*

In terms of a research question it can be made as follows.

- *Which neighborhood in Toronto should be picked for purchasing a new house or condo?*

This is a relevant research because the transaction costs involved in buying a home are substantial, so much that we would prefer making the decision on real data.

So it can be the best decision for the well-being of the individual.

2 Data

We discuss this section in more detail in the notebook, there you can find the proper description of the data that will be used to solve the problem and the source of the data. Here, we state succinctly that we used web scraping techniques to obtain it and we sampled one individual to find the target values.

3 Methodology

Refer to our Python notebook for the complete methodology on our problem. We discuss and describe any exploratory data analysis done, any inferential statistical testing that was performed, and what machine learnings were used and why.

4 Results and Discussion

From the data analysis we found out the best areas for our preferences of immigration are the ones with the following postal codes:

1. M2L
2. M1G
3. M1N
4. M9C
5. M3B
6. M8W
7. M7A
8. M2R
9. M1V
10. M4J

Since these are listed in descending order , this represents the best options in descending order

5 Conclusion

Given that the preferences vary from person to person we could use analyses like this in order to seek the best places for moving. Since thats what motivates most of the immigrants around the world and across time; we see that the data science techniques can be used for maximizing our welfare by picking the best houses that match our needs.

Or we could adjust for the moving or establishing brances of businesses, but in reality, this is just one of example, and the tools given by data science can be used to make better informed decisions.