

IMT573 Thanksgiving lab (not graded)

November 24, 2020

Instructions

This lab is about reading research papers and understanding the included regression model. It is not graded. You are welcome to submit your thoughts and get some feedback though.

1 Gentrification and Evictions

Chum (2015) analyses the relationship between gentrification (well-off residents flowing into formerly poor neighborhoods) and evictions in Toronto, ON.

Read the paper and try to understand the analysis.

1. What is the question the author addresses? Why does he think his analysis is better than the previous studies?
2. What are *evictions*, *direct displacement*, and *exclusionary displacement*?
3. What kind of data sources is he using? In particular, where does eviction data, and the neighborhood attributes come from?

Note: the author takes the gentrification information from Walks & Maaranen (2008) study. They divide the neighborhoods into 5 categories (Components), see Table 1 what the components are. The section in this paper is hard to read.

4. What is the sample size in the models?
5. Explain what is LQ, the “location quotient” they use in the model.
6. Can you write down the multiple regression equation the study uses? The best way to do this is based on the results in Table 2.
7. Let’s look at the unstandardized coefficients in Table 2. The table lists β (and calls it “Beta”), and std. error. It does not list t-value.

Compute t-value yourself for *Component 3*, and look up the corresponding p-value from the table (e.g. https://ezto-cf-media.mheducation.com/Media/Connect_Production/bne/lind_16e/t_Distribution_Table.jpg). Do you get the same number as “Significance”?

8. Why is Component 2 missing in Table 2?
9. What are the author’s conclusions? Do you find those convincing?

References

Chum, A., 2015. The impact of gentrification on residential evictions. *Urban Geography* 36 (7), 1083–1098.
URL <https://doi.org/10.1080/02723638.2015.1049480>