

# ProblemSet2\_\_new

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## **Abstract**

High levels of education, the common characteristics of those who live in Bridle Path-Sunnybrook-York Mills, Toronto's neighbourhood found as the one with the highest median income. By using Toronto's open data, this paper illustrates the education level distribution of the highest and lowest neighbourhood in terms of household income. It is important to understand these distributions because it exposes an alarming income inequality, that can be associated with the education level in each family.

## **Introduction**

Education is a contributor to many beneficial socio-economic outcomes. In the previous study where we examined the educational profile of Toronto's neighbourhoods, we found that the neighbourhood with the highest median household income has a much higher attainment rate (45%) of higher education above a bachelor's degree than the compared with the lowest (23%) and the City of Toronto (27%). In this study, we extend the examination of educational profile to the residents' academic majors in the following categories— "visual and performing arts and communications technologies", "humanities", "social and behavioural sciences and law", "business\_management\_and\_public\_administration", "physical and life sciences and technologies", "mathematics computer and information sciences", "architecture engineering and related technologies", "agriculture natural resources and conservation", "personal protective and transportation services" and "no postsecondary certificate diploma or degree". The question we want to answer is [the question]. [Broader context: education as social mobility]

## **Dataset description**

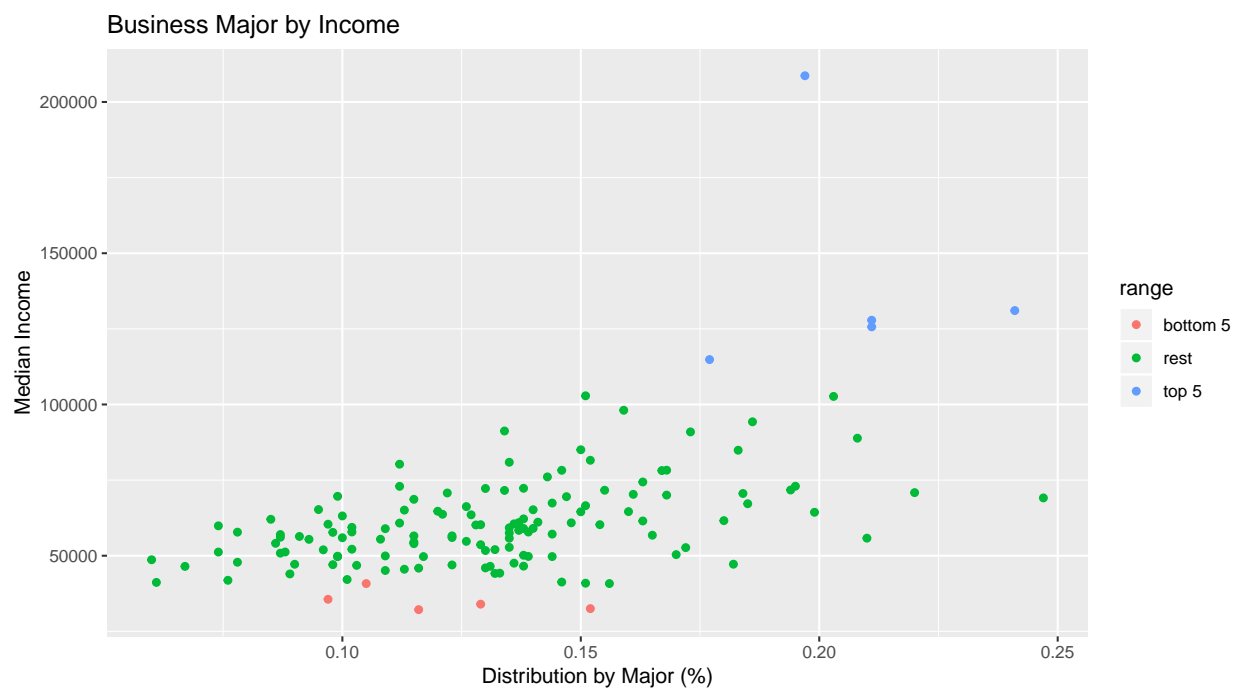
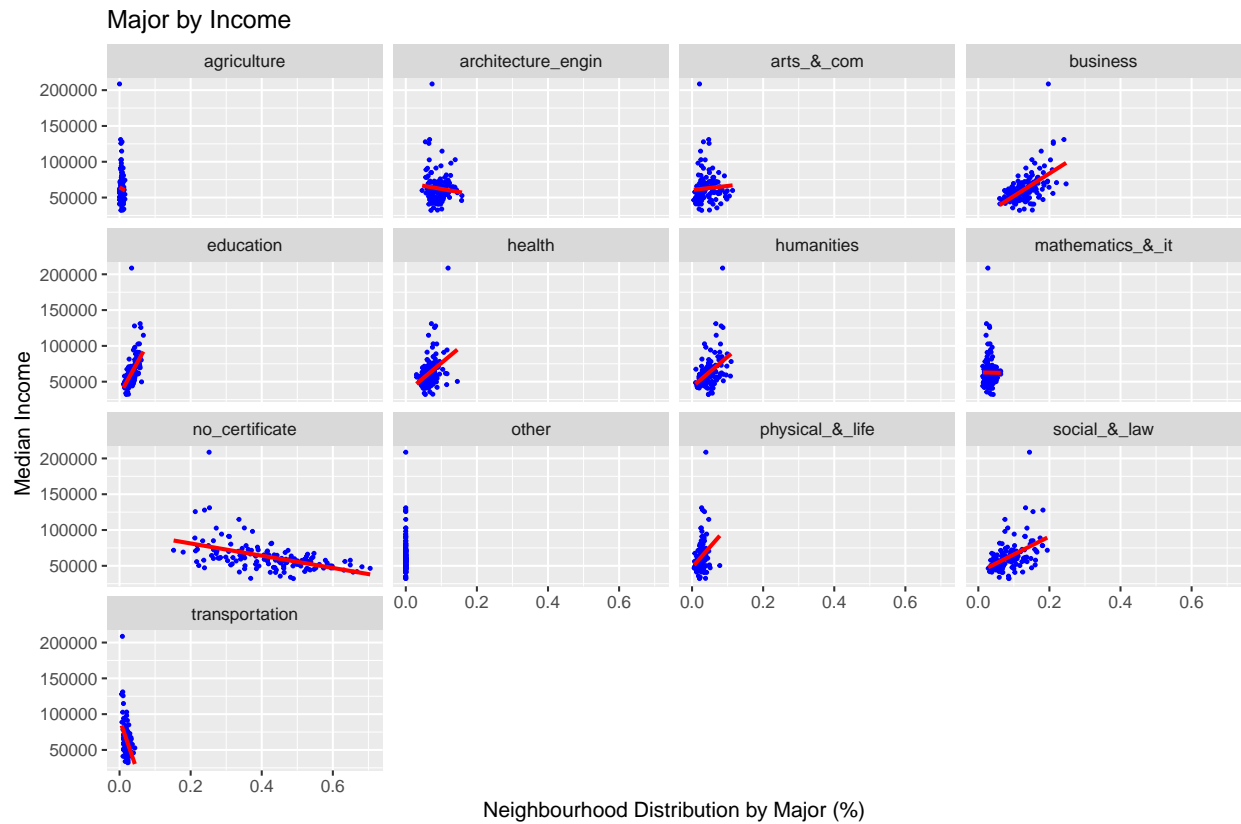
Characteristics of the dataset.

## **Limitation of the dataset and approach**

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## Ethical considerations

## Income and Education by Major 2011



```
##
## Call:
## lm(formula = business ~ median_income, data = education_percentage_only)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.073980 -0.021830 -0.001939  0.016623  0.107232
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  7.480e-02  8.125e-03   9.206 4.64e-16 ***
## median_income 9.401e-07  1.227e-07   7.662 2.84e-12 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.03102 on 139 degrees of freedom
## Multiple R-squared:  0.2969, Adjusted R-squared:  0.2919
## F-statistic: 58.71 on 1 and 139 DF,  p-value: 2.835e-12
```

