Mobilizing Justice: Montreal Fair Pass Pilot

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This report provides an overview of the first wave of the Montreal Fair Pass Survey. The survey’s spatial representation appears to coincide with areas that concentrate populations from low-income groups. Individuals from low-income households also appear to be over-represented in the survey as a whole (13 p.p. difference from the census data). Visible minorities, on the other hand, appear to be under-represented (29 p.p. difference). Other groups, such as women and man, and control (50 to 64 years old) and treatment (above 65 years old), showed no significant difference in representation. The code used to produce this report is found on its [github repository](https://github.com/joaoparga/mj_fair_pass).

# 1. Initial information

The original raw dataset contained 1970 respondents, of which we were able to geocode 1692 observations. 2 of them declared their residential location outside a 250 meter buffer around the island of Montreal (Census Division code equals to 2466), leaving us with 1690 observations in the final dataset.

# 2. Survey’s representation

## 2.1 Demographics

## 2.2 Spatial

The two maps below give an overview of the spatial representation of survey. The map on the left shows how the relative participation of the population below the Low Income Measure is spatially distributed in the Island of Montreal according to the 2021 Census. It seems clear that this group, which constitutes part of the target audience of the fare-free policy, are spatially concentrated on the eastern and northern parts of the island. The map on the right complements the former, showing the under and over-representation of the survey against the population over 50 years old according to the census. The survey’s over-representation appears to be located on the regions that concentrate groups from low-income households, while under-representation occurs on less-populated and regions with low participation of the equity deserving groups from an income’s perspective.

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| |  | | --- | | Population in LIM (Census) | | |  | | --- | | Under/over-representation ratio of survey respondents vs. population over 50 | |

# 3. Table