



ANALYSIS OF THE POLES' BEHAVIOR

ON THE BASIS OF MOBILITY



WHAT IS A MOBILITY

By *mobility*, we mean *one's ability to change the place of being (rather freely)*. Thus, the purpose of the following analysis is to study weather and (if so) how has this ability to move changed over the recent 9 months.

By comparing mobility trends we are trying to discover differences in humans behavior due to Covid-19

ABOUT DATA

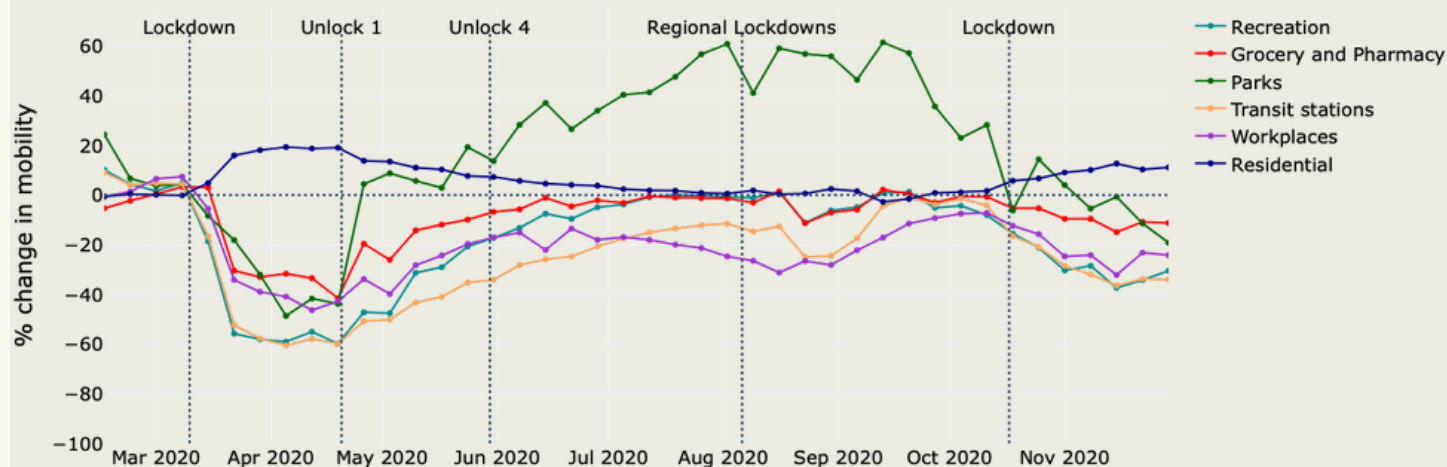
The study is based on data collected from Google Community Mobility Reports. Beginning on January 2020, it is constantly updated. The dataset consists of six categories of places and the percentage increase/decrease in movement of visitors- with respect to a baseline.

Baseline is the median value from the 5 weeks Jan 5 - Feb 6- for every day of the week separately.

CHANGES OF TRENDS OVER TIME FROM MARCH TO DECEMBER 2020

In Poland, there were two lockdowns (10-March and 17-Oct) accompanied by a lot of measures to prevent congregation of people. The un-lockdown was ordered in 4 phases. The chart visualizes percentage change in number of visitors to observe the trend.

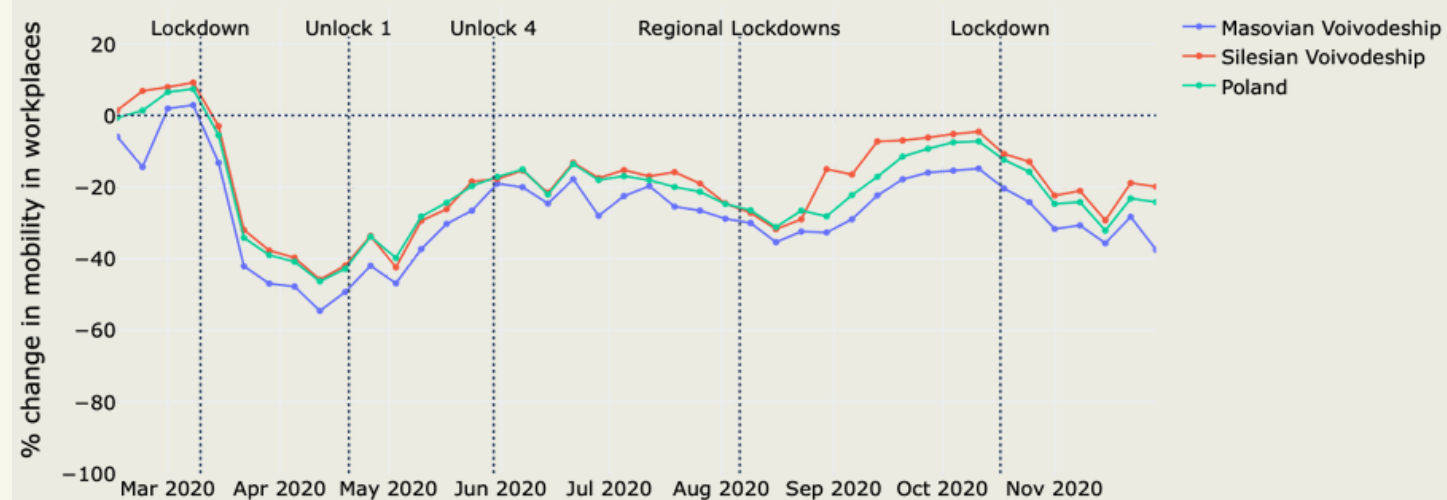
Mobility Trends in Poland



ATTENDANCE AT WORKSPACE IN DIFERENT REGIONS

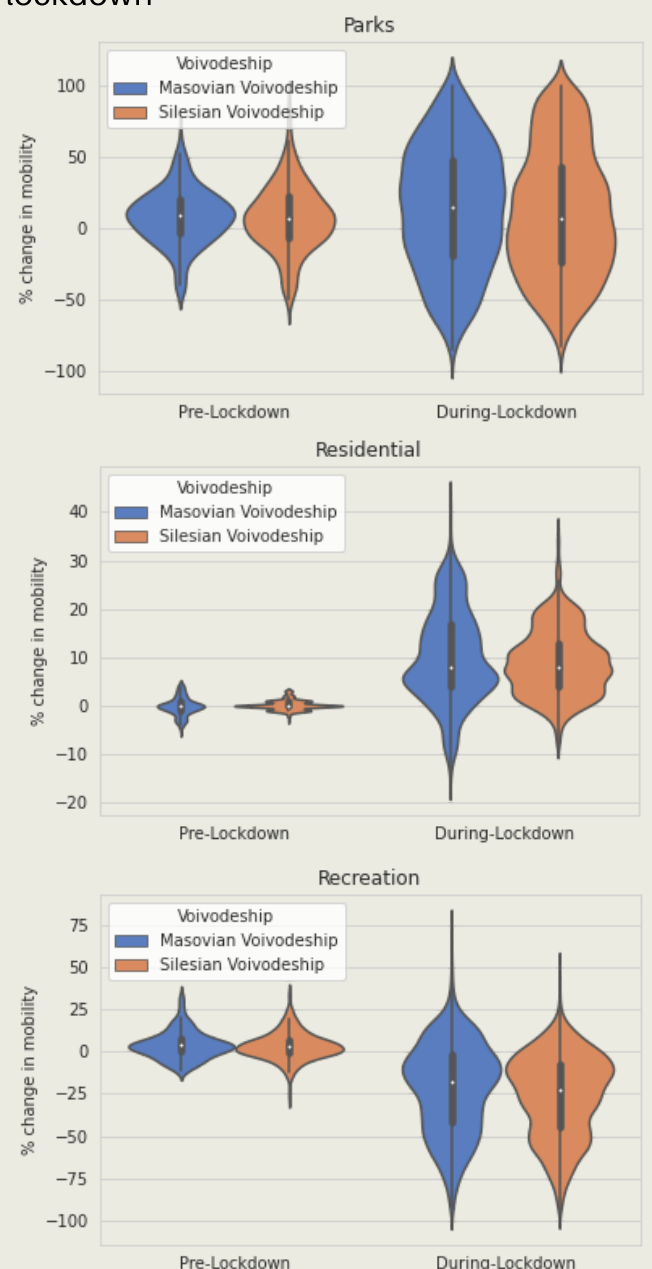
During the first lockdown, there is a decline which indicates that people were working from home or having no work. The decline is bigger in Masovian Voivodeship, maybe because they work from home more often.

Is work back to normal?



LOCKDOWN'S IMPACT ON MOBILITY DISTRIBUTION

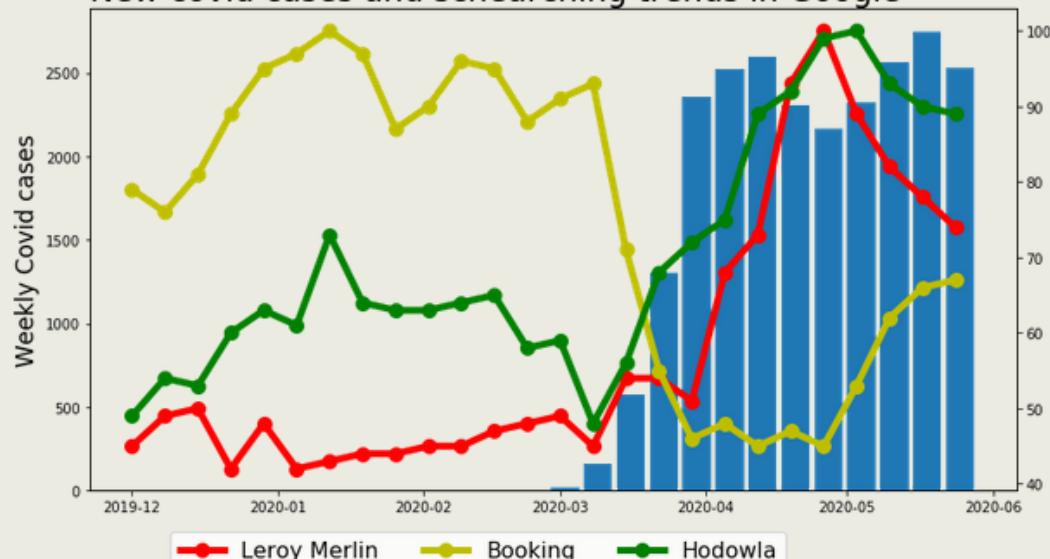
Violin charts below shows distribution of people's attendance in different places, where each day is a separate observation. We divided data to two groups due to date: pre and during-lockdown. Chosen 10th of March as a beginning of a lockdown



CONCLUSIONS

Covid-19 has tremendous impact on humans behavior. We can see, that people spend less time at work and much more time at home. They definitely get bored so they visit parks more often. On the right we can see graph, which is based on data from Google Trends. It shows huge decrease in interest in traveling. The fact that people google phrases connected with DIY stores confirms that they are bored.

New covid cases and searching trends in Google



SOURCES:

trends.google.com
google.com/covid19/mobility/

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