Group 5

Data Challenge 2021

Abstract

This project explores the dataset provided by UMD National Center for Smart Growth (NCSG) that surveyed people about their change in behavior due to lockdown. The changes investigated were the change in commute, physical activity level, and outside grocery shopping before and during/after lockdown. One assumption made is that physical activity excludes exercise. The purpose of this project is to create visualizations for the data to show how the pandemic has affected people’s daily lives and to come up with a possible resolution. This project also examines if the changes in behavior are different across the different characteristics of the people surveyed. These characteristics include socio-demographics, employment status, and area of residence and its urban form. The significance of this project is to show that the pandemic has more than just an economic impact. It stresses the importance for everyone to look after their physical and mental health during these times.