

COVID-19 Versus Taxi Services As Measured By Reliance

MAST30034 Assignment 1

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TODO: Github Repository

August 6, 2022

1 Introduction

What datasets are being used?

TLC dataset [1] COVID-19 dataset

What is the timeline?

The timeline of data considered starts in July 2019 and ends December 2021. This allows for comparisons at different stages of the pandemic (including a 6 month period before it happened). It is also more difficult to analyse the trip records of high-frequency taxi services such as Uber or Lyft, for which a dedicated dataset was started in February 2019.

Throughout this research project, I will be investigating the impact that the COVID-19 pandemic has had on two primary aspects of the use of different taxi services: usage frequency, and trip distance. Specifically, I will be modelling relationships between case, hospitalization, and death rates measured in New York City over the span of the timeline.

2 Method

2.1 Preprocessing

2.2 Analysis and Modelling

2.3 Geospatial Visualisation

3 Recommendations

4 Conclusions

References

- [1] New York City Taxi and Limousine Commission. *TLC Trip Record Data*. <https://www1.nyc.gov/site/tlc/about/tlc-trip-record-data.page>. Accessed: 2022-08-06.