

DataFest 2020 - How Will COVID-19 Affect the Occupancy in Temporary Shelters?

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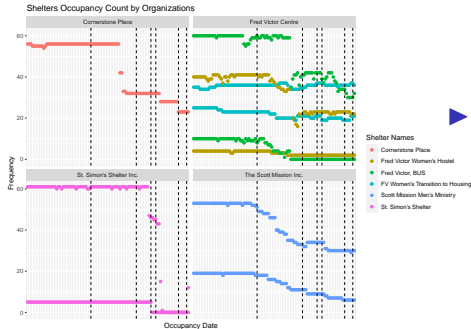
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Changes in Percentage since COVID-19 Lockdown



- The data shown starts from the day when Ontario was declared to be at a state of emergency (March 17).
- Some shelters show a downward trend while others remain stable

Are COVID-19 and Number of Occupancies Correlated?



- ▶ Drop in occupancy numbers coincides with the reported date of an outbreak within a shelter
- ▶ Could be explained by two reasons:

1. The shelter experiencing a drop is the shelter reporting an outbreak
2. Residents in other shelters are leaving out of fear after the news of an outbreak

The Analysis

- ▶ Our analysis through a poisson regression have shown that most shelters still had vacant rooms available even during the lockdown
 1. Supported by the downward trend of occupancy shown in the graphs
- ▶ Unlike our initial thoughts, the results suggest that shelters generally experienced a drop in occupancy rather than an increase during the pandemic