

DataFest 2020 - How Will COVID-19 Affect Temporary Shelters? (Exploring changes in occupancies and compositions)

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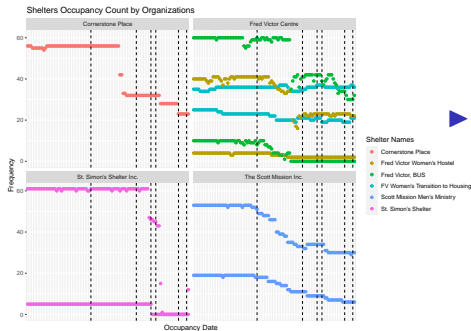
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Changes in Percentage since COVID-19 Lockdown



- 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 families are still the most predominant groups of clients.
 1. This result is plausible because families usually visit in trios.
- ▶ Unlike our initial thoughts, the graphs suggest that shelters have generally experienced a drop in occupancy rather than an increase during the pandemic