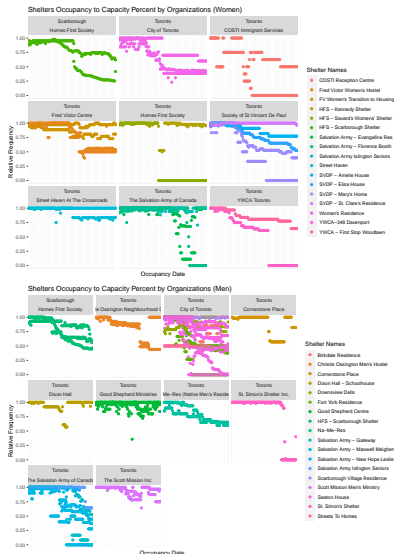


DataFest 2020 - How Will COVID-19 Affect the Occupancy in Temporary Shelters?

Minsung Kim and Jonas Lee

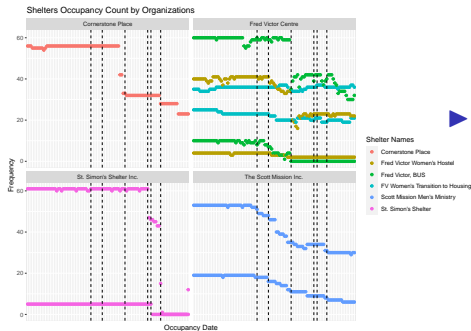
June 15, 2020

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

##	est	2.5 %	97.5 %
## (Intercept)	29.85068174	29.67726905	30.02481043
## categoryCo-ed	1.00794049	0.99821591	1.01770507
## categoryFamilies	1.46316274	1.44986774	1.47651974
## categoryWomen	0.71168706	0.70453284	0.71884128
## categoryYouth	0.77393715	0.76361280	0.78430150
## CAPACITY	1.00409442	1.00407869	1.00411015
## cityEtobicoke	0.43223652	0.37339350	0.49997954
## cityNorth York	0.09914103	0.08768677	0.11161529
## cityScarborough	1.00055937	0.97500484	1.02671390
## CAPACITY:cityEtobicoke	1.02500821	1.01980234	1.03021408
## CAPACITY:cityNorth York	1.06665883	1.06319447	1.07022319
## CAPACITY:cityScarborough	1.00511400	1.00487029	1.00535771