

COVID Project

Minutes for Thursday September 24, 2020 - 1:00 PM - 2:00 PM PDT via Zoom

Present: John Braun, Kaitlyn Hobbs, Ngan Lyle (minutes), Shahruhk Alvi, Maggie Ma, Patrick Brown

Agenda

- QC/MB LTC Data Collection (Shahruhk)
- BC LTC Data and Preliminary Analyses (Ngan and KT)
- ON LTC Analysis Update (Ngan)
- Questions
 - Need to transform skewed predictors for logistic regression?
 - R Package (Use?)

Meeting Notes

QC Data - Shahrukh

- Can not find a comprehensive list of all the LTC homes in QC
- Do not have list of all LTC homes that have had an outbreak in QC

MB/SK Data - Shahrukh

- There is a government source of all LTC Home in MB
 - Only predictor we have is number of beds
- We have data on LTC homes outbreaks for MB but not an official source, overall few outbreaks, cases and deaths
- Given the low rates of outbreaks/cases/deaths we can combine the data from SK/MB as the provinces are similar

BC Data - Ngan and KT

- Problem with the data being too granular and variable selection, try group lasso vs manual variable selection
- Backwards selection may not give accurate results

ON Update - Ngan

- August 1st cutoff easier to defend
- Predictors for logistic regression not transformed
- Inspections and complaints taken as per bed/year
- Variable selection
 - Manually and using sequence of lamdas from LASSO as a guide

Action Items

- Patrick will see if he can find more data from QC
- Shahrukh will see if he can find home type and room configuration data for MB/SK
- John has connections in MB for more data
- UBCO team to rerun ON analysis with updated outbreak data (up to Aug 1)
- UBCO to meet with SeniorsAdvocateBC
- Need to discuss R package work via email
- Patrick Maggie to run BC spatial analysis
 - John suggests looking at the proximity to airports as a predictor, spatial random effects should pick this up

Next Meeting:

- **Meeting: Next week Sep 28/29**
 - Contracts end Sep 30 - KT and Shahrukh