Meeting 19/05/2021

Police response to mp

Geospatial analysis of mp and community deprivation + the effectiveness of call management

Two stage analysis:

1. geospatial analysis of mp and community deprivation

* outcome: no. of mp per lsoa
* lsoa variable
* contextual variables:
* community deprivation variable (1;7)
  + could produce time series analysis to see changes in each ear
* To examine vulnerability
  + Adults: SAMHI - Antidepressants, QOF - depression, and DWP - Incapacity benefit and Employment support allowance for mental illness) into a single index.
  + Children: not sure what dataset to use for children’s homes
    - Care home datasets
    - Rural and urabn by lsoa?
* How to incorporate these predictors?
  + final\_class variable: absent v missing
  + how would you account for grade in the maps?
  + How to incorporate call\_origin?
* Covid
  + Sensitivity analysis
  + could produce time series analysis to see changes in each ear

1. How to better access the call management of MP cases / police response

* Examine the change between initial grade and the current
* Look at this year to year
* Time: difference between times ( diff dates) i.e how fast they got there and how long - check grading over time. i.e. hour slower to attend crime -
* Examination the association between call\_origin

Notes from interview?

* Come up with some research questions;
* For example:
* Spatially what areas are associated with more missing person reports?
* Whether going missing is associated with deprivation?
* Whether going missing is associated with vulnerability?
* Do these trends differ between the classification of ‘missing’ and ‘absent’ /
* Association between mental health calls and call origin?

New variables to make:

* Difference between earliest deployed, earliest arrived and release data time; using this to compare the difference in grades each year
* Change in response grade?

Univariate variables:

* Time series trend of missing persons across the year
* Map the count of mp across lsoas

Bivariate/explanatory analysis