DSC-13 Risk factors for loneliness

2018-04-12

Determining the risk factors for loneliness across the UK with good geography. Loneliness is a perception that is hard to measure directly. Our approach is using health data as an outcome measure of loneliness and treating loneliness as a hidden variable.

## Team members

* Jasmine Grimsley

## The need

Generate a measure of loneliness risk for the UK with good geography and if possible information for different sub-populations.

## Impact

The data will be used by the Loneliness team at the Office for National Statistics (ONS) to inform on loneliness risks across the UK.

## Data science

Linking of large messy data-sets to determine rick factors for loneliness with fine geography .

## Stakeholders

* ONS Big data and loneliness teams
* Bath University (SAMBa)

## Delivery

* [x] **July 2018** Labour market statistics, cause of death data received and analysed
* [x] **July 2018** Develop list of approved loneliness-related drugs
* [x] **August 2018** Finish pipeline for postcode to graphics heatplot to allow mapping of address level data to Lower layer Super Output Area (LSOA) (such as number of pubs or libraries)
* [x] **August 2018** Health description data acquired, cleaned and analysed for Wales, Ireland, England
* [x] **August 2018** Finish pipeline for postcode to graphics heatplot
* [x] **August 2018** Hackathon Big Data, Wellbeing and Loneliness teams (bring three work streams together)
* [x] **September 2018** Go or No go decision: Stage 1 alpha model for linking social cohesion with loneliness disease
* [x] **October 2018** Handover
* [x] **December 2018** Add other variables if required

## Further information

Please contact datasciencecampus@ons.gov.uk for more information.

## Updates

**2019-03-15T11:28:44Z**

[Jasmine Grimsley](https://datasciencecampus.ons.gov.uk/author/jasmine-grimsley/) published a [blog](https://datasciencecampus.ons.gov.uk/developing-a-loneliness-prescription-index/) on this project in March 2019.