



# **monstR: a new R package to make ONS tables readable**

NHS-R Conference 2020 Lighting talk ⚡

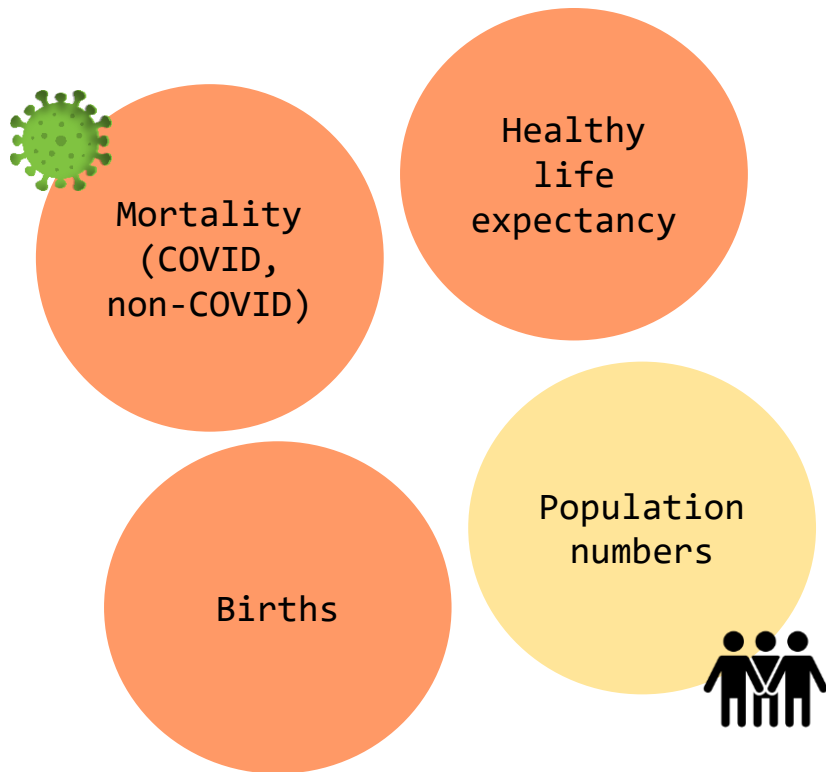


Sebastien Peytrignet

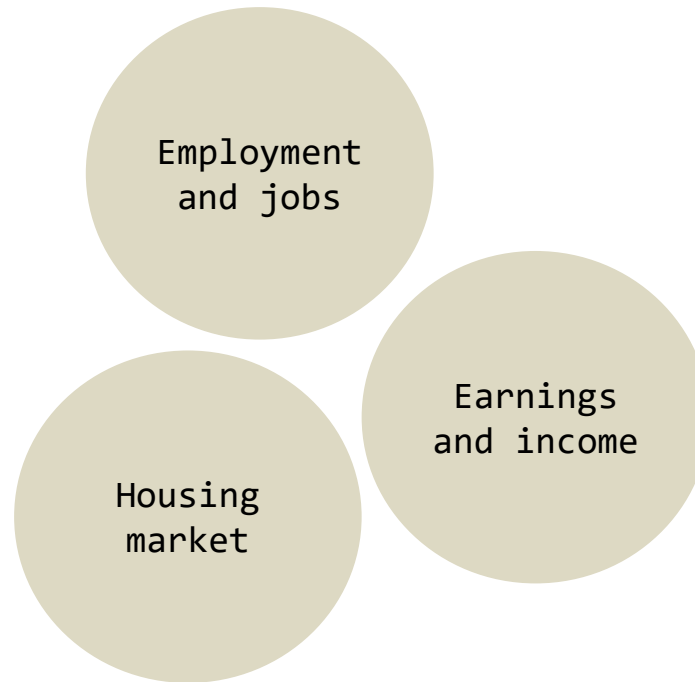
Data Analyst @ The Health Foundation

# What open data does the ONS publish – and why do I want it?

## Population health



## Other



## Geography?



Usually by region or local authority – sometimes lower.

# How do I get my hands on that data?

SacramentoRealEstateTransactions													
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Office for  
National Statistics



Manually download  
each time...

...or use a package that  
queries the ONS API,  
without ever leaving R?



# How do I use monstR?

## Four main functions:

`available_datasets()`

`available_editions()`

`available_versions()`

`ons_download()`

### Which dataset?

weekly-deaths-region

### Which edition?

COVID-19

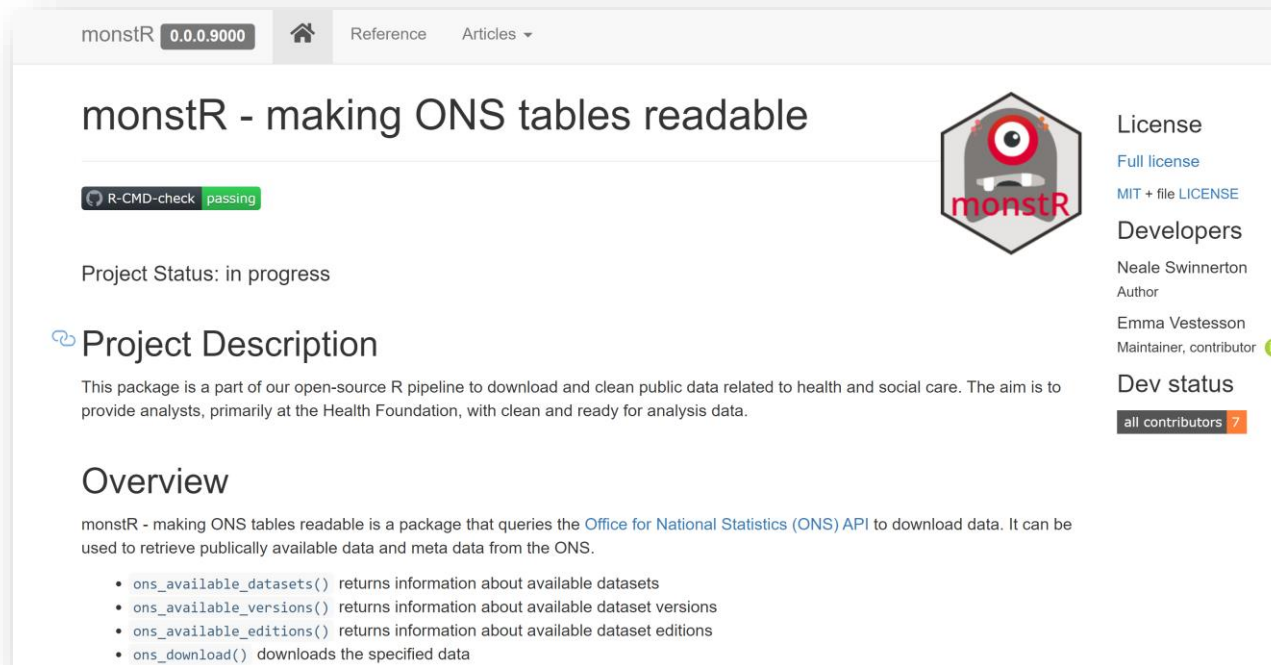
### Which version?

Version 1 (earliest or latest)

**Then load into R workspace**



# How do I learn more about monstR?



The screenshot shows the GitHub repository page for 'monstR'. The repository name is 'monstR' with version '0.0.0.9000'. The page title is 'monstR - making ONS tables readable'. A green badge indicates 'R-CMD-check passing'. The project status is 'in progress'. The project description states it is an open-source R pipeline for downloading and cleaning public data from the Office for National Statistics (ONS) API. The overview section lists four functions: `ons_available_datasets()`, `ons_available_versions()`, `ons_available_editions()`, and `ons_download()`. The right sidebar shows the license as 'MIT + file LICENSE', the developer as 'Neale Swinnerton', and the maintainer as 'Emma Vestesson'. The dev status shows 'all contributors' with a count of 7.

monstR - making ONS tables readable

R-CMD-check passing

Project Status: in progress

### Project Description

This package is a part of our open-source R pipeline to download and clean public data related to health and social care. The aim is to provide analysts, primarily at the Health Foundation, with clean and ready for analysis data.

### Overview

monstR - making ONS tables readable is a package that queries the [Office for National Statistics \(ONS\) API](#) to download data. It can be used to retrieve publically available data and meta data from the ONS.

- `ons_available_datasets()` returns information about available datasets
- `ons_available_versions()` returns information about available dataset versions
- `ons_available_editions()` returns information about available dataset editions
- `ons_download()` downloads the specified data

License  
Full license  
MIT + file LICENSE

Developers  
Neale Swinnerton  
Author  
Emma Vestesson  
Maintainer, contributor

Dev status  
all contributors 7

## Using the monstR package to estimate the mortality rate in England and Wales

Sebastien Peytrignet

2020-09-09

And explore our latest vignette for a practical example

Visit our GitHub page

<https://github.com/HFAnalyticsLab/monstR>