# Decentralising COVID-19 reporting with R Shiny

#OpenDataSavesLives, ODI Leeds 27 August 2020

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#### Total UK cases COVID-19 Cases Update

as of 09:00 (GMT) on 11/03/2020

 Total UK cases
 Daily Confirmed Cases
 Total UK deaths

 456
 63
 6

 England
 Scotland
 Wales
 N. Ireland

 387
 36
 15
 18

#### **Cumulative Cases**

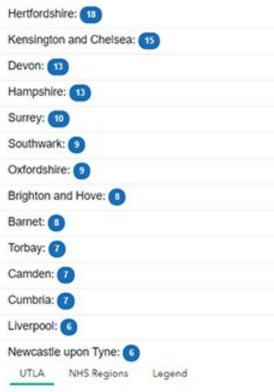


#### **Daily Confirmed Cases**

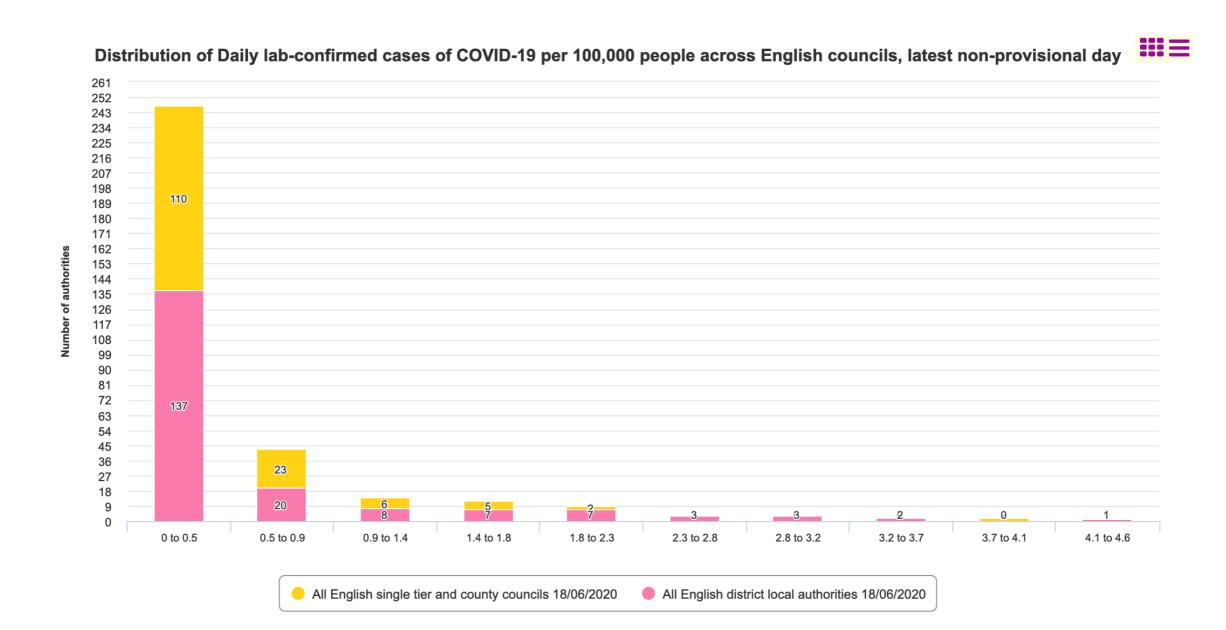




#### Upper Tier Local Authorities (UTLA) and NHS Regions



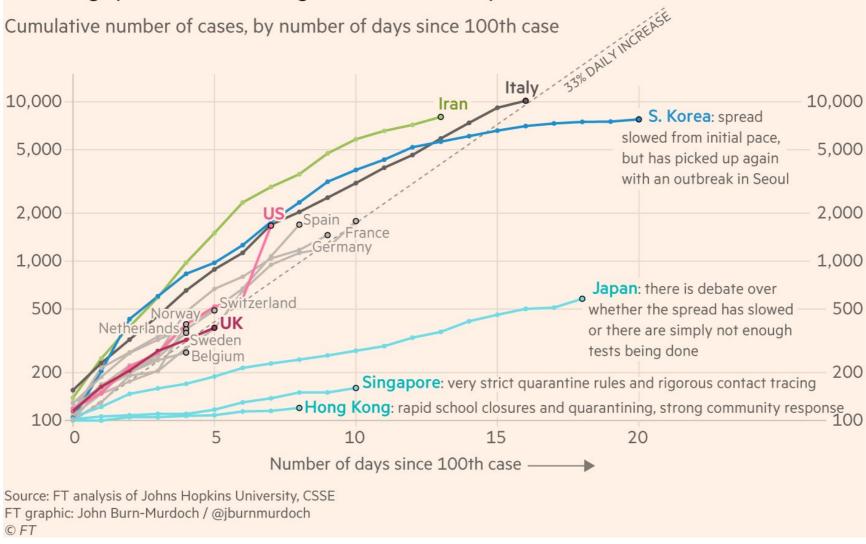






- not open source
- not reproducible
- not scalable

### Most western countries are on the same coronavirus trajectory. Hong Kong and Singapore have managed to slow the spread

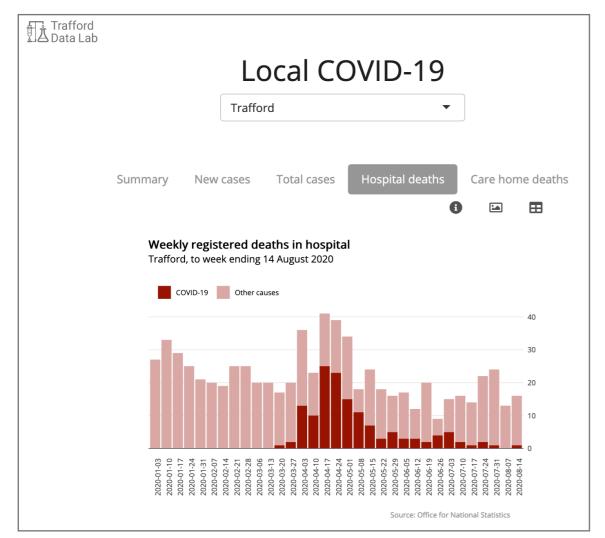


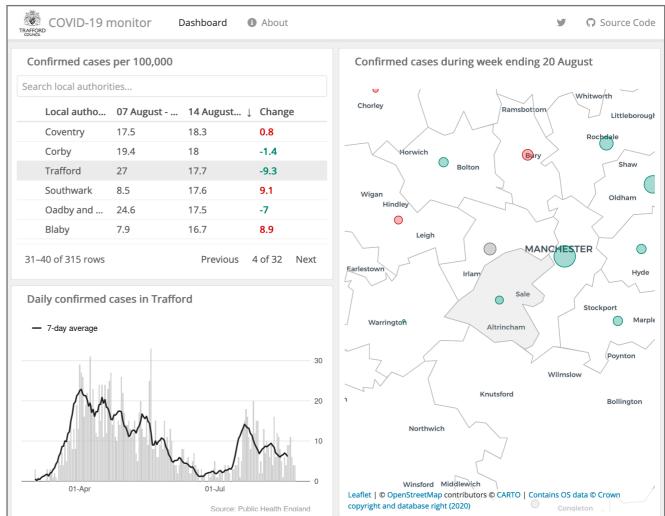


#### johnburnmurdoch / coronavirus\_cases\_trajectories.R

Created 6 months ago

```
read_csv("https://raw.githubusercontent.com/CSSEGISandData/COVID-19/master/csse_covid_19_data/csse_cov
      gather(date, cases, 5:ncol(.)) %>%
2
      mutate(date = as.Date(date, "%m/%d/%y")) %>%
3
      group_by(country = `Country/Region`, date) %>%
4
      summarise(cases = sum(cases)) %>%
5
      filter(country != "Others" & country != "Mainland China") %>%
6
      bind_rows(
7
        tibble(country = "Republic of Korea", date = as.Date("2020-03-11"), cases = 7755)
8
9
      ) %>%
      group_by(country) %>%
10
```



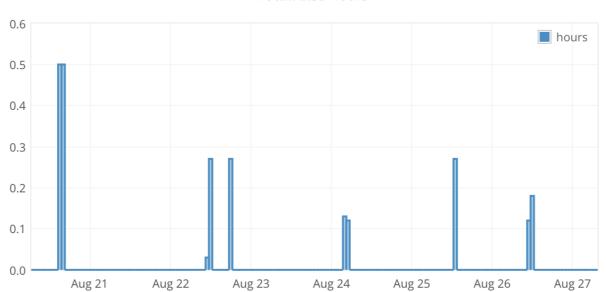






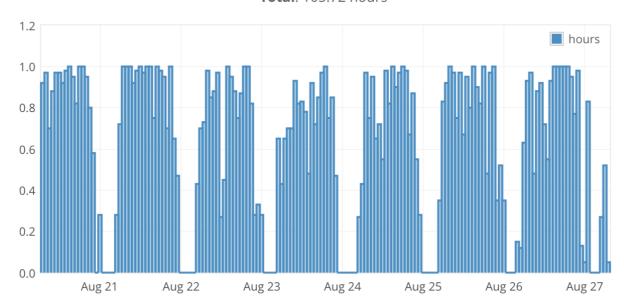
#### **APPLICATION USAGE**

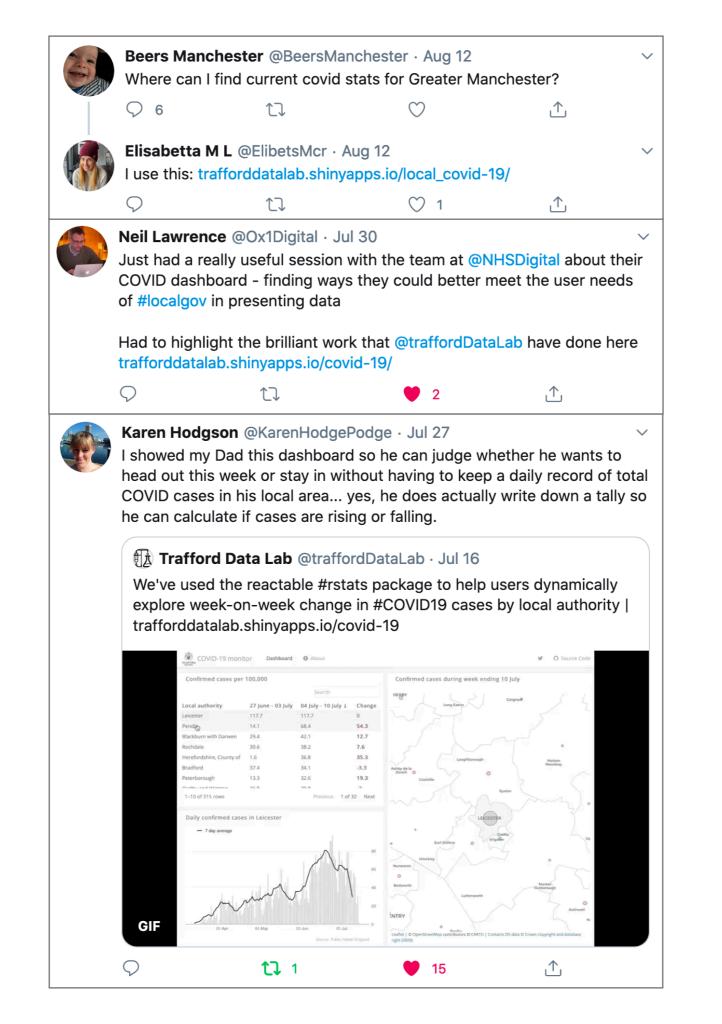
Total: 2.39 hours

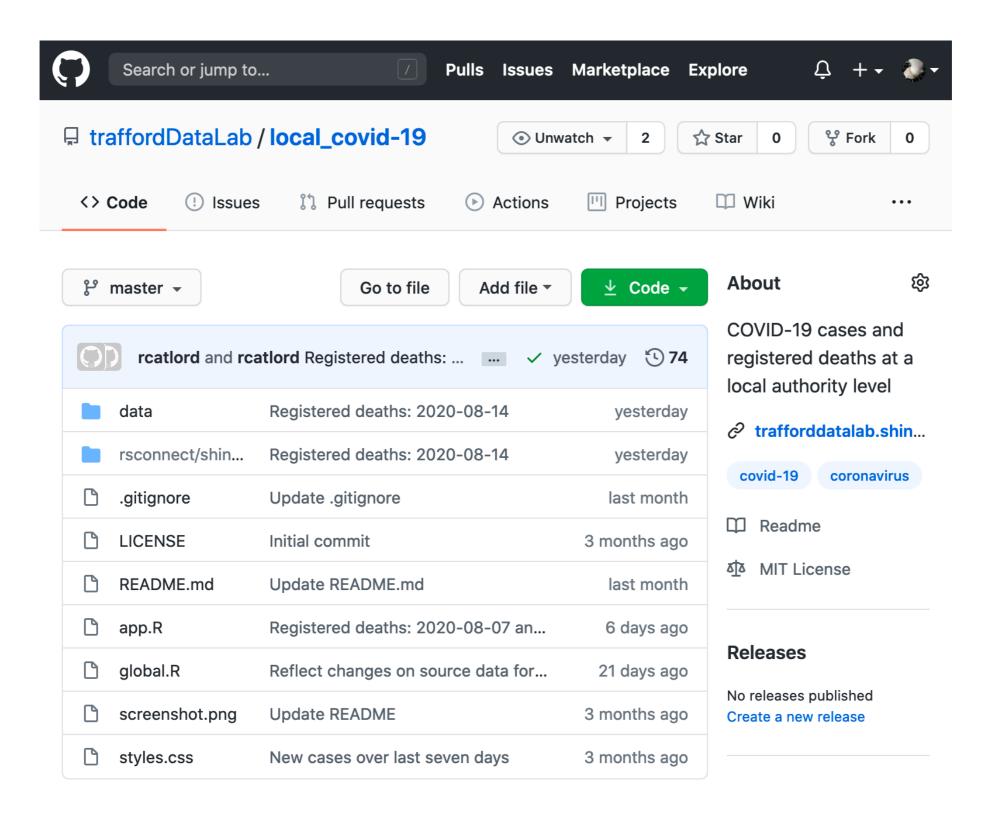


#### **APPLICATION USAGE**

**Total**: 105.72 hours









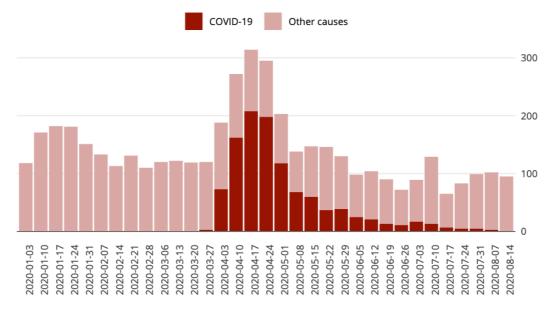
#### Local COVID-19

Essex ▼

Summary New cases Total cases Hospital deaths Care home deaths

#### Weekly registered deaths in hospital

Essex, to week ending 14 August 2020



Source: Office for National Statistics



## Thank you

- @trafforddatalab
- (a) @trafforddatalab
- frafforddatalab.io