Visualising COVID-19
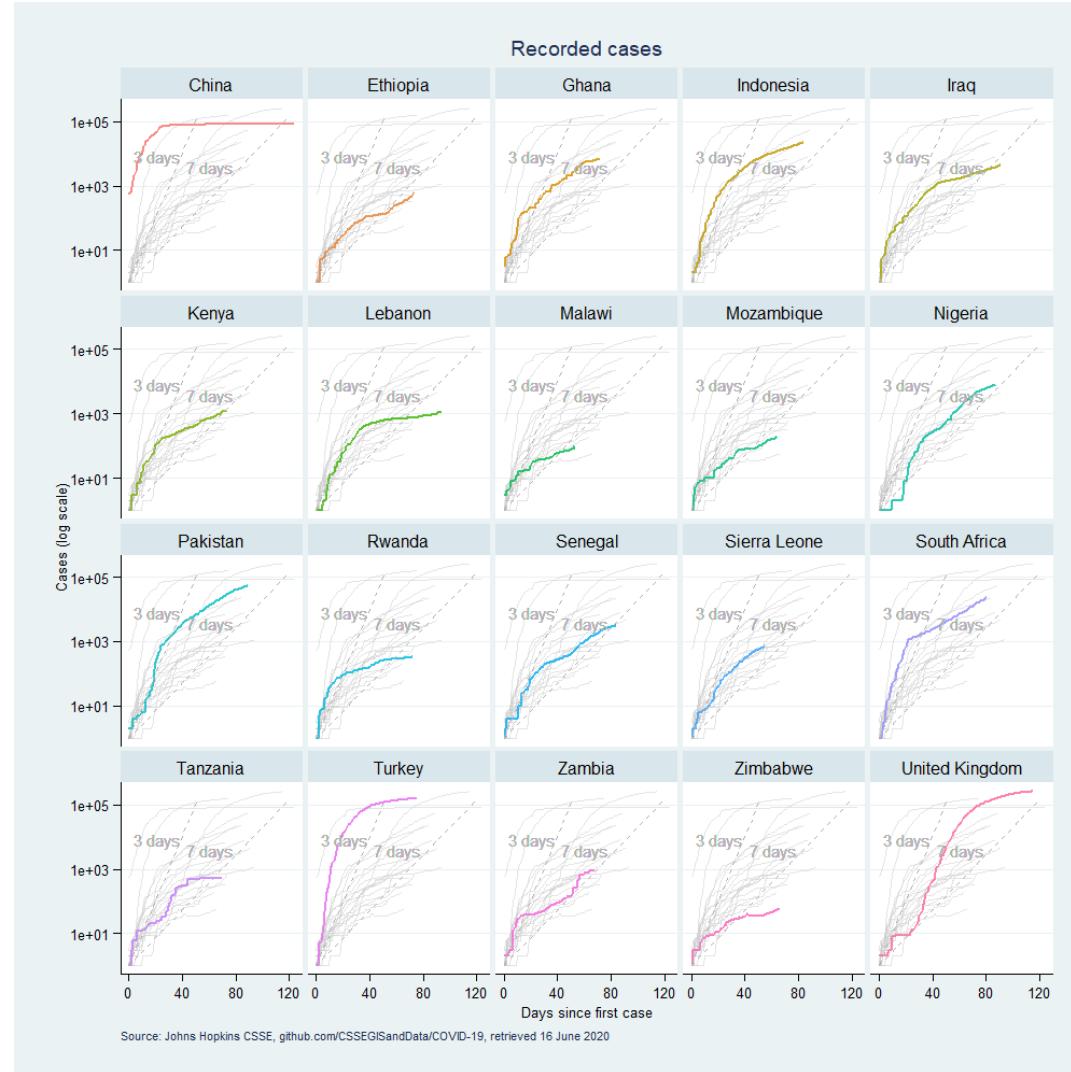
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Origin

- Influential infographic by John Burn-Murdoch (@jburnmurdoch) and colleagues of the *Financial Times* set the standard for COVID-19 data visualisation

- Widely cited, and in particular adopted a log *y*-scale and raw numbers as opposed to per capita

- Available at https://www.ft.com/coronavirus-latest for their latest numbers and graphs

- What they do has evolved, which indicates that what works best changes through time and different data sources

- Have started to look at *excess death* measures based on Chris Giles' (@ChrisGiles_) work

Sample

Recorded cases

Cases (log scale) vs Days since first case, shown for: China, Ethiopia, Ghana, Indonesia, Iraq, Kenya, Lebanon, Malawi, Mozambique, Nigeria, Pakistan, Rwanda, Senegal, Sierra Leone, South Africa, Tanzania, Turkey, Zambia, Zimbabwe, United Kingdom

Source: Johns Hopkins CSSE, github.com/CSSEGISandData/COVID-19, retrieved 16 June 2020

apps

- Create similar graphs from Johns Hopkins CSSE and FT data

- Data at https://github.com/CSSEGISandData/COVID-19 and https://github.com/Financial-Times/coronavirus-excess-mortality-data

- Written R code to create the graph on the last slide which focusses on key economies; other countries easy to do

- Coded two Shiny apps to make exploring these data easier, particularly when we want to compare quite different countries; we will look at these now

- Code available at https://github.com/andrewpeterblake/COVID-19