

kmaps

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Description

This note documents a code snippet that I use to produce maps like the ones on the next page. It might help people working on European country-level data, which is fairly common in comparative politics.

The code works with the companion dataset and shapefiles; see `README` for a description of both. It relies on ISO-2 alphabetical country codes to match them together.

I still need to write a full-fledged function to make the data and graphics completely flexible.

Use

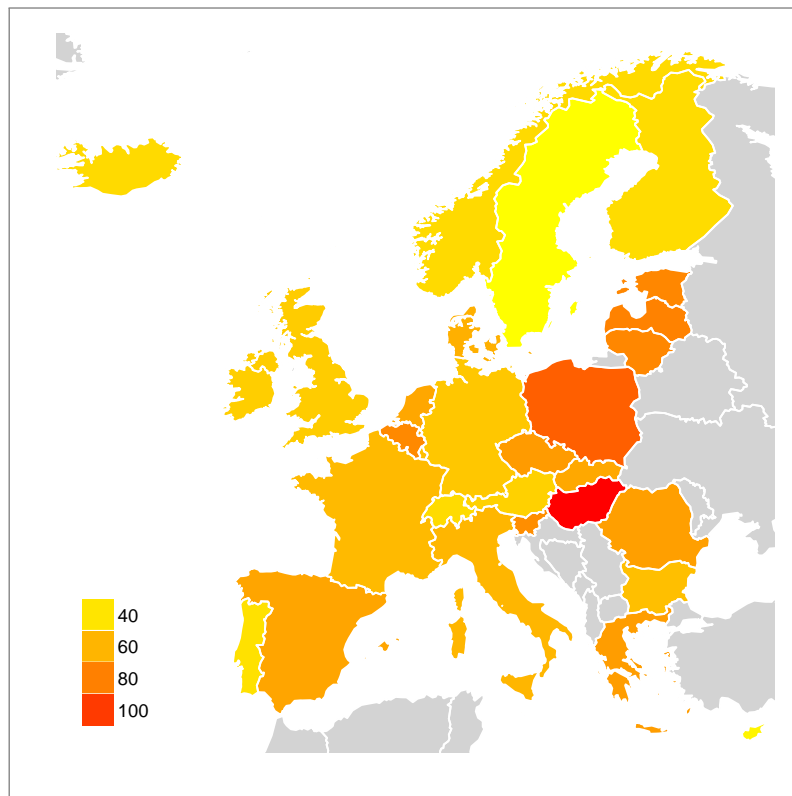
You will need R, your data and a few ESRI shapefiles that can be read with the `maptools` package. The current version of the code also uses `ggplot2` to draw the maps with more gusto.

The `kmap` function is coded in one line. It accepts:

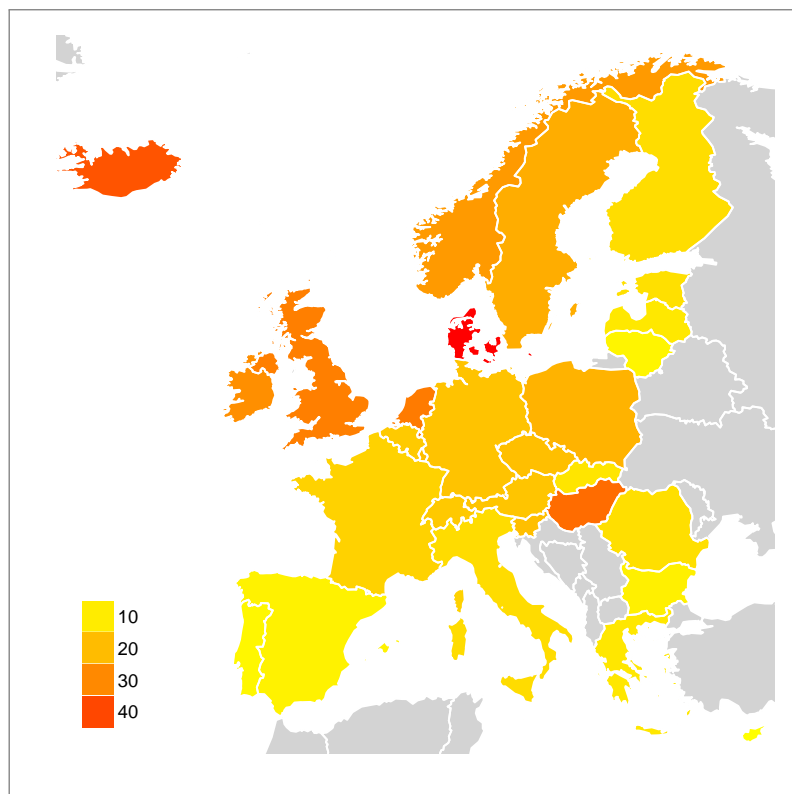
- `v`, a variable
- `q`, a number of quantiles over which to split the data
- `xcoord` and `ycoord`, the map coordinates

The map is tentatively centred on the European Union by default. If no quantile is passed to the function, it will output `q = 4` quartiles. The intervals are returned by the function in object `class`.

The next page shows two examples.



(a) Males



(b) Females

Figure 1: Estimated lung cancer mortality in European countries, 2008. All rates are age-standardised to the European population. Data: European Cancer Observatory. Maps: GISCO – Eurostat, European Commission, 2006.

Credits

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