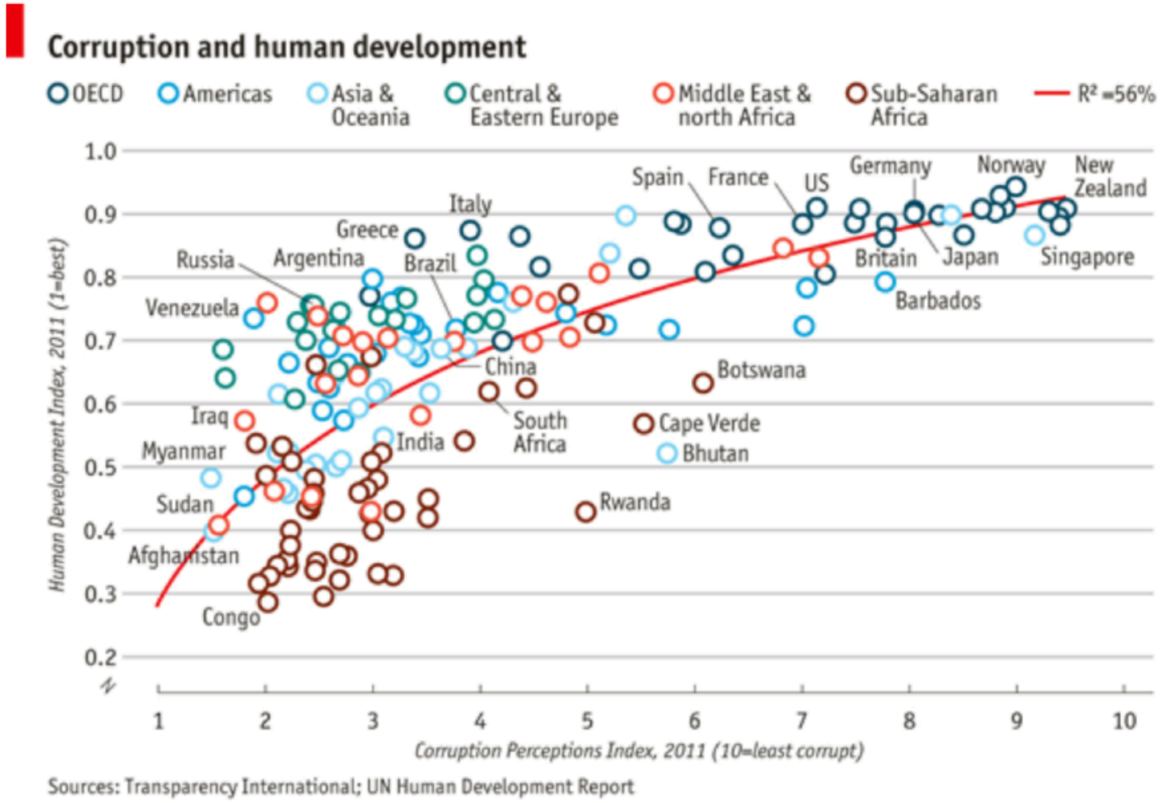
Re-create The Economist graph using ggplot2

So I was looking for some materials for ggplot2 and found a Workshop note from Harvard- Data Sciences Services. (http://tutorials.iq.harvard.edu/R/Rgraphics/Rgraphics.html)

They start with an amazing graph from the Economist and state that we will be able to recreate the graph at the end of the workshop using GGPLOT2. Eventhough the materials in the workshop are not enough (not even close) to create a chart like this, it is still an amazing materials for those who want to explore ggplot2 in R.

Here is the Economist graph.



ui.R | geo_kreise_arbeitslosigkeit.R | leaflet_deutschland.R | geo_europa.R | app.R | custom.css | Untitled1*

Source on Save | Run | Source

```
#### Geo Spatial Data: Europe ###
#
#    Prof. Dr. Jan Kirenz
#    Hochschule der Medien
#
#    Datenquelle: tmap Paket
################################

setwd("/Users/jankirenz/Library/Mobile Documents/com~apple~CloudDocs/Documents/Data Science/Geo Data/Code/Europa")

# Pakete laden ####
library(sp)
library(tmap)

# Daten aus tmap Paket nutzen:
data(Europe)
?Europe
?tmap

summary(Europe)
str(Europe, max.level =2)
summary(Europe$name)


# Well-Being Index
qtm(Europe, fill="well_being", text="iso_a3", text.size="AREA", format="Europe", style="gray",
    text.root=5, fill.title="Well-Being Index", fill.textNA="Non-European countries")

### Visualisierung der Lebenserwartung in Europa
tm_shape(Europe) +
  tm_fill(col = "life_exp", style = "quantile") +
  tm_borders(col = "burlywood4")
```

42:1 | Pakete laden | R Script

Console ~/Documents/Data Science/Geo Data/Code/Europa/

```
> # Well-Being Index
> qtm(Europe, fill="well_being", text="iso_a3", text.size="AREA", format="Europe", style="gray",
+     text.root=5, fill.title="Well-Being Index", fill.textNA="Non-European countries")
> ### Visualisierung der Lebenserwartung in Europa
> tm_shape(Europe) +
+   tm_fill(col = "life_exp", style = "quantile") +
+   tm_borders(col = "burlywood4")
> tm_shape(Europe) +
+   tm_fill(col = "well_being", style = "quantile") +
+   tm_borders(col = "burlywood4")
>
```

Environment | History | Spark

Import Dataset | List

Global Environment

Data

allzips	31713 obs. of 15 variables
cleantable	31713 obs. of 11 variables
df	10 obs. of 2 variables

Values

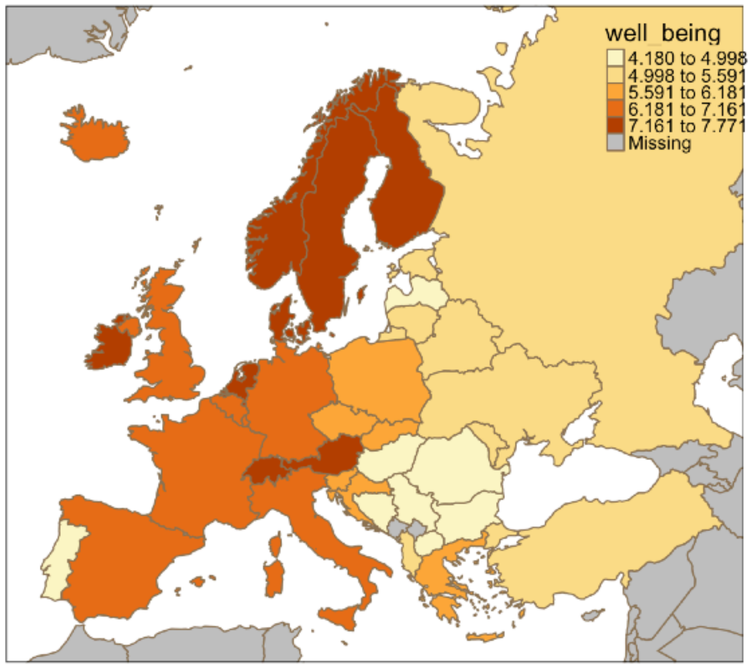
Europe	Large SpatialPolygonsDataFrame (68 eleme…
m	List of 8
mapStates	List of 4

Functions

percent_map	function (var, color, legend.title, mi…

Files | Plots | Packages | Help | Viewer

Zoom | Export



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