Correlation between health and economy

HIV example

Context: The aim of our data visualization project is to produce a design that would help to understand the relationships between general health, economy and Geography. In this poster we are interested in HIV evolution.

time slider to show evolution

The first visualization is a simple worldwide map. The idea is to identify regions of low/high life expectancy for example and their evolution. Then we add a bubble plot in order to study correlation between variables.

scale personification allow to zoom in on interesting areas

- Data chosen for the plot is HIV death rate vs adult with HIV rate
- Group 1 moves upward, group 2 moves upward right

- HIV started to spread a lot in group 1 in the 1990's. HIV takes time to kill, so it took another 15 years to show on HIV death
- HIV spread in group 2 between 1991 and 2007.
- The trend from groups 1 and 2 show that people from those countries cannot find cures

map color encoding

color = country discriminate pre-attentively

bubble radius encoding

There are several variables available for each encoding. We added a "mouse over" functionality allowing user to follow a specific country