Correlation between health and economy <u>HIV example</u>

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. The first visualization is a simple worldwide map. The idea is to identify regions of low/high life expectancy for example and their evolution. time slider to show evolution Then we add a bubble plot in order to study correlation between variables. 1991 scale personification allow to -Worldwide Map-Correlation between HIV and health---zoom in on interesting areas 0.0026 -0.0022 -0.0020 ₩0.0018 -Group 1 = 0.0016 -용0.0014 -≥0.0012 -Group 2 Data chosen for the plot is HIV death rate vs adult with HIV rate adults with hiv percent age 15 49 adults with HIV % • Group 1 moves Europe & Central Asia Middle East & North Africa upward, group 2 South Asia Life expectancy Life expectancy moves upward right East Asia & Pacific map color encoding color = country bubble radius encoding discriminate There are several variables available for each pre-attentively encoding. We added a "mouse over" HIV started to spread functionality allowing user to follow a specific a lot in group 1 in the Country: Australia country 1990's. HIV takes Hiv: 0.1 time to kill, so it took Gdp: another 15 years to 17553.3768417308 Life expectancy: 77 show on HIV death HIV spread in group 2007 xmin 0 2 between 1991 and 2007. 1992 1994 1996 2004 2006 2008 2010 The trend from Play groups 1 and 2 show Correlation between HIV -Worldwide Mapthat people from those countries 0.0028 Group 1 cannot find cures 0.0026 0.0024 0.0022 0.0020 e 0.0018 Group 2 0.0016 -≥0.0012 0.0010 0.0008 0.0006 0.0004 0.0002 0.0000 adults_with_hiv_percent_age_15_49 America adults with HIV % Sub-Saharan Africa Europe & Central Asia Middle East & North Africa South Asia Life expectancy Life expectancy East Asia & Pacific