

PYTHON, POLITICS, AND PUBLIC HEALTH

Gauden Galea

Europython, Prague, 17 July 2025



PYTHON, POLITICS, AND PUBLIC HEALTH CODE CHANGES LIVES

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PYTHON, POLITICS, AND PUBLIC HEALTH
CODE CHANGES LIVES*

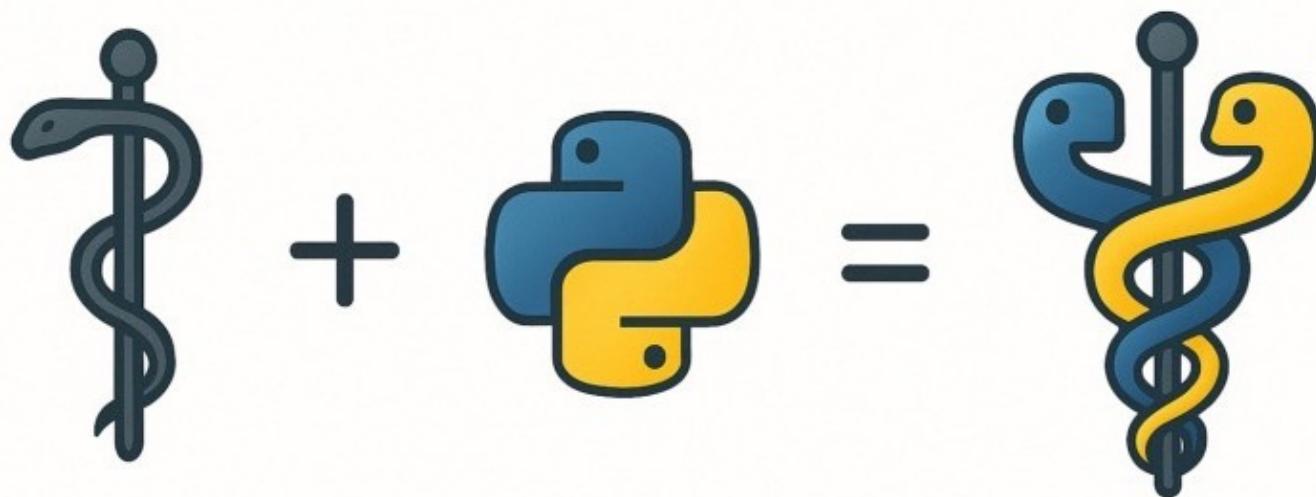
*indirectly, but also directly

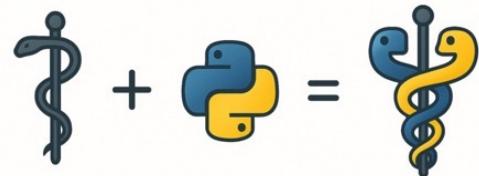


Gauden Galea

Europython, Prague, 17 July 2025

> whoami





Nov 2015

Parliament
**Tobacco and
Alcohol Control**

Jul 2025

EuroPython
**Python, Politics
and Public Health**



```
> cat pub_health_101.txt
```



> import this



...the science and art of preventing disease, prolonging life, and promoting health through the organised efforts of society.

– Donald Acheson

> import this



*...the **science** and **art** of preventing disease, prolonging life, and promoting health through the **organised efforts** of society.*

– Donald Acheson

> pip freeze



```
> cat europython | grep "public health"
```

The screenshot shows a blurred version of the Europython 2019 website. At the top, there is a banner with the text "Can't join us in Prague? Attend remotely — online options available". Below the banner, the header includes the Europython logo, a search bar with the placeholder "Search", and navigation links for "HOME" and "≡". The main content area is titled "Talks schedule" and "Wednesday - 16th July". A table below lists session times and locations. The table has columns for "Time", "Forum Hall", "North Hall", "South Hall 2A", "South Hall 2B", "Senate 2A", and "Senate 2B". Under the "Time" column, the first row shows "08:00" and "Wednesday Registration & Welcome @ Forum Hall Royer 1st Floor". The second row shows "09:30 Room Change". A red circular badge with the text "GEOGRAPHY" is visible in the bottom right corner.

Time	Forum Hall	North Hall	South Hall 2A	South Hall 2B	Senate 2A	Senate 2B
08:00						
09:30						

Wednesday Registration & Welcome @ Forum Hall Royer 1st Floor

09:30 Room Change

GEOGRAPHY

08:00	Wednesday Registration & Welcome @ Forum Hall Foyer 1st Floor					
08:30	Room Change					
09:00	Conference Opening 🎉					
09:30	You don't have to be a compiler engineer to work on Python					
	Savanna					
10:20	Coffee Break					
10:45	Myths and realities around performance					
	Antonio Ceballos					
11:30	Room Change					
11:40	Exploring environments for aeronautical planning					
	Diego Russo Daniel Hervás Joaquín Rayado					
12:10	Room Change					
12:20	A tour of (some) Python	ORMs: A Bridge to	Building my own	Is Prompt Engineering	One Screenreader to rule	How to deal with toxic

Accelerating privacy-enhancing data processing

Florian Stefan

Design Pressure: The Invisible Hand That Shapes Your Code

Hynek Schlawack

Let's talk: Communication & Consensus Building in Open-Source

Travis Hathaway

Teamwork makes the dream work

Sheena

Fairlearn: practical approach to assessing and mitigating harm in AI systems

Tamara Atanasoska

dbt-score: continuous integration for dbt metadata

Matthieu Caneill, Jochem van Dooren

Mentoring Both Ways: Helping Others While Leveling Up Yourself!

Manivannan Selvaraj



Accelerating privacy-enhancing data processing

Florian Stefan

have to be a
engineer to work

Bailey

fairy tales
Python
performance

Antonio Cuni

Accelerating privacy-
enhancing data
processing

Parallel programming and
Cython

Design Pressure: The
Invisible Hand That
Shapes Your Code

Let's talk: Communication
& Consensus Building in
Open-Source

Teamwork makes the
dream work

Florian Stefan

David Woods

Hynek Schlawack

Travis Hathaway

Sheena

11:30 Room Change

11:40

Exploring the CPython JIT

Inside the Black Box: The
Anatomy of Virtual
Environments

Flying Free: data analysis
with Python for
aeronautical planning

Diego Russo

Daniel Hervás

Joaquín Rayado

Mentoring Both Ways:
Helping Others While
Leveling Up Yourself!

Manivannan Selvaraj

12:10 Room Change

12:20

A tour of (some) Python
JIT compilers

ORMs: A Bridge to
Efficient Database
Interactions with Python

Building my own
(accurate!) Spotify
Wrapped

Stepan Sindelar, Michael
Šimáček

Velda Kiara

Iulia Feroli

**Fairlearn: practical
approach to assessing
and mitigating harm in AI
systems**

Tamara Atanasoska

How to deal with toxic
people

Iryna Kondrashchenko,
Oleh Kostromin

Ramón Corominas

Gina Häußge

12:50 Lunch

Posters (Exhibit Hall)

PySchool: Introducing
High School Students to
the World of Python

Portable data-parallel
Python extensions using
oneAPI

Exploring LLM latency



Accelerating privacy-enhancing data processing	Florian Stefan	Sharing is caring: Efficient Data Exchange with pyarrow	Intuition vs. Reality: Surprising Truths in Python Performance	From Notebook to Production: Deploying ML Models with Confidence.	Pwndbg: Low level debugging and exploit development with Python
Fairlearn: practical approach to assessing and mitigating harm in AI systems	Tamara Atanasoska	Choosing Threadsafe Tail-Call Functionality for Python	Samet Yilmaz	Prenatal diagnosis of genetic diseases using Python	Testing the Tests - Assess and Improve Your Python Testing Code
12:05	Performance improvements in 3.14 and maybe 3.15	Get Your Smyth & Wysocki to Lazy Dev Life	Efficient Medical Coding	Deep Learning for Ranking	Running every street in Paris with Python and PostGIS
	Mark Shannon	Damian Wysocki	Reyha Verma	Theodore Meynard, Mihail Douhaniaris	Stefan Bärisch
12:35 Room Change					Vinayak Mehta
12:45	Meet Marimo, the next-gen Notebook	Breaking HTTP Boundaries: ASGI to build a fleet management	How to Stop an Epidemic using the Atomica Python Tool	Hacking LLMs: An Introduction to Mechanistic	Turbocharge your Python test suite today! 🚀
					Python, Politics, and Public Health



Accelerating privacy-enhancing data processing

Florian Stefan

Fairlearn: practical approach to assessing and mitigating harm in AI systems

Tamara Atanasoska

Prenatal diagnosis of genetic diseases using Python

Helena Gómez Pozo,
Marina Moro López

How to Stop an Epidemic using the Atomica Python Tool

Eloisa Pérez Bennetts

Psychological Model for Mapping and Prediction of Stress Among Students

Oluwakemi Omowunmi Jacobs,
Oladapo Kayode Abiodun

Offline Disaster Relief Coordination with OpenStreetMap and FastAPI

Jannis Lübbe

Python, Politics, and Public Health

Gauden Galea

Snapshot Testing: A New Era of Reliability

Matthieu Rigal

Good Practices for Testing Web User Interfaces

Jan Jašek, Ashish Gupta

Continuous Documentation: basics and advanced techniques

Anastasia Tymoshchuk

15:50

A PEP Talk: Adventures

Wisdom of the cloud?

Automating myself out of

Driving Innovation

End to End with

In memoriam: Michael



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Python, Politics, and Public Health

Gauden Galea

Code

Utilize legal
and regulatory
actions

Create,
champion, and
implement
policies, plans,
and laws

Advocacy

CODE AS ACTIVISM



POLITICS OF VAPING

The Questions

- What are the themes of discussion on Twitter in relation to e-cigarettes?
- Who engages in these discussions?
- Does this have any implication for the use of social media for public health?



Methods

Using the [Twitter REST API](#) a harvest was conducted for all tweets that contained any or all of the following strings:

- ecigs
- ecigarettes
- vapers
- vaping

The harvest was started on Saturday, 21 Feb 2015 at 20:00, and concluded on Sunday, 22 Feb 2015 at 00:45.



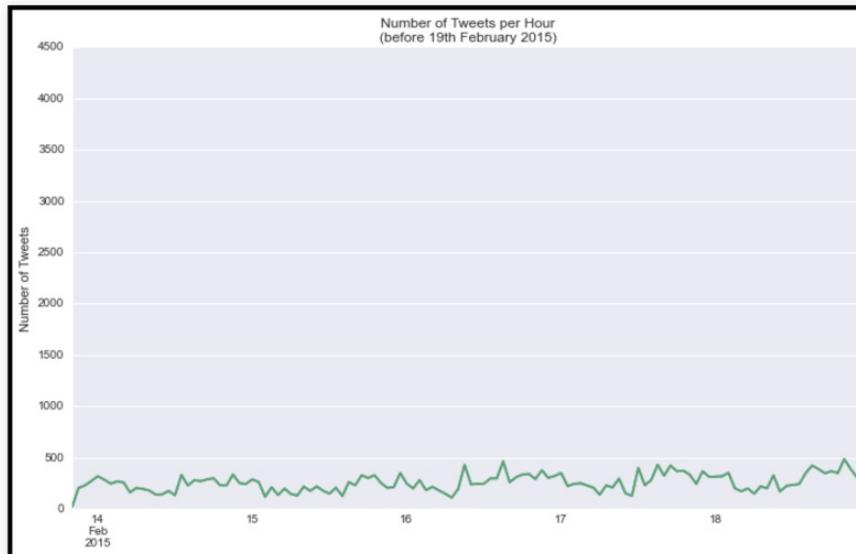
The Dataset

Attribute	Value
Tweets harvested	29,284
First Tweet on	Fri, 13 Feb 2015 20:14:38 UTC
Last Tweet on	Sat, 21 Feb 2015 15:39:17 UTC
Geolocated Tweets	196



Tweets per Hour

Diurnal variation before 19 Feb 2015

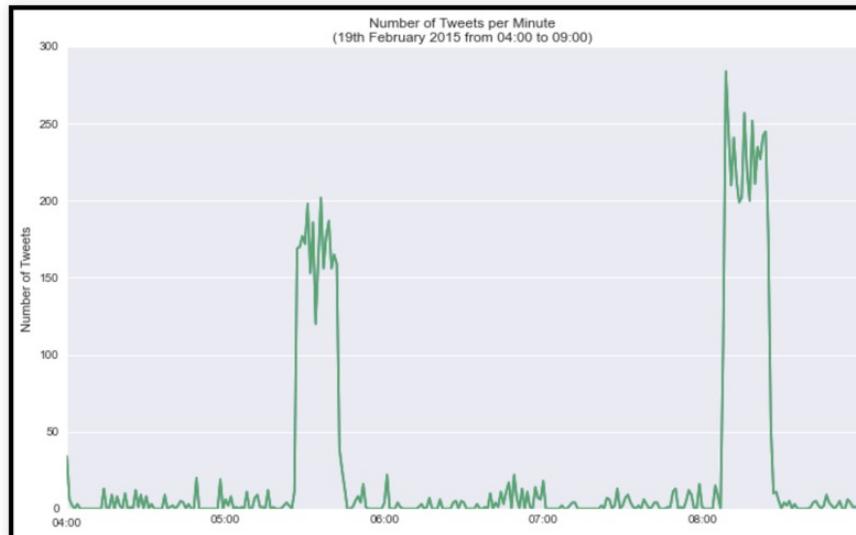


<https://gauden.github.io/slides/twitter.html>



Tweets per Minute

Focus on 19 Feb 2015 04:00-09:00

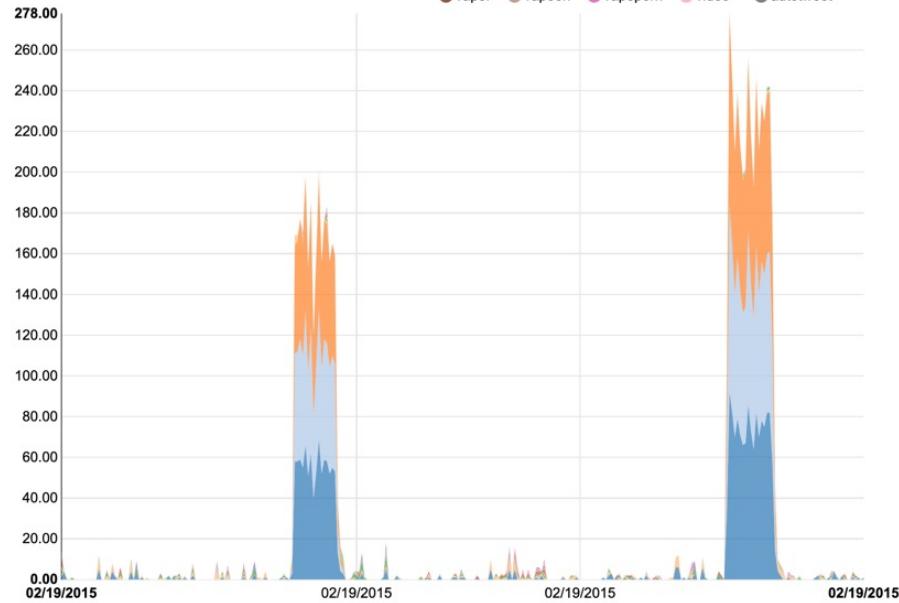


<https://gauden.github.io/slides/twitter.html>



19th February 04:00 to 10:00

● Stacked ○ Stream ○ Expanded
● ecigs ● health ● lifesaver ● vaping ● vape
● ecig ● vapers ● vapelife ● reddit ● ecigarettes
● vapor ● vapeon ● vapeporn ● video ● autotweet



<https://gauden.github.io/slides/twitter.html>



Account	No. of mentions	Nature
MagicMistECigs	2219	Vendor
holysmoke	127	The Spectator
spectator	100	The Spectator
swimdaily	94	Derek Yach
WHO	89	WHO
VapinXsmoker	86	Ecigs news outlet
Nigel_Farage	78	UKIP Candidate
SpectatorHealth	65	The Spectator
UKIP	58	Political Party
Clive_Bates	54	Blogger





Empowering public health advocates to navigate alcohol policy challenges

alcohol policy playbook

World Health
Organization
European Region



+++ Commercial determinants
of noncommunicable diseases
in the WHO European Region +++

World Health
Organization
European Region



THE ROLE OF GOVERNMENTS AND INTERNATIONAL AGENCIES IN ADDRESSING THE COMMERCIAL DETERMINANTS OF CANCER

By Bettina Borisch and Wendy Yared

Summary: The role of governments and supra-national organisations is crucial when it comes to cancer prevention and control. They provide regulations that shape the activity of businesses on the national and global level. The Framework Convention on Tobacco Control is taken as an example of a global regulation that addresses the commercial determinants of health. Cancer is very high on the European political agenda, as such there are elements in the new Europe's Beating Cancer Plan which may positively encourage commercial drivers. There is a need for an effective system of checks and balances on the market forces which are present at all levels.

Keywords: FCTC, Cancer Prevention, European Code Against Cancer, Political Determinants, Commercial Determinants

Introduction

Cancer shares the characteristics of several chronic diseases, in such a way that they cover the whole pathway through the health and the social system. This implies that at all points of the pathway from prevention and early detection to palliative care – the journey is subject to influencing factors, such as social and commercial determinants of health. Commercial determinants of health are private sector activities that affect people's health positively or negatively.¹ There are effective public health actions to respond to the potential challenges or negative effects of products which may pose a risk to health, which is the topic of this article.

Bettina Borisch is Associate Professor, Institute of Global Health, University of Geneva, Switzerland and Executive Director, World Federation of Public Health Associations. Wendy Yared is Director, Association of European Cancer Leagues (ECL), Brussels, Belgium. Email: Bettina.borisch@unige.ch; Wendy.W.Yared@ecl.org

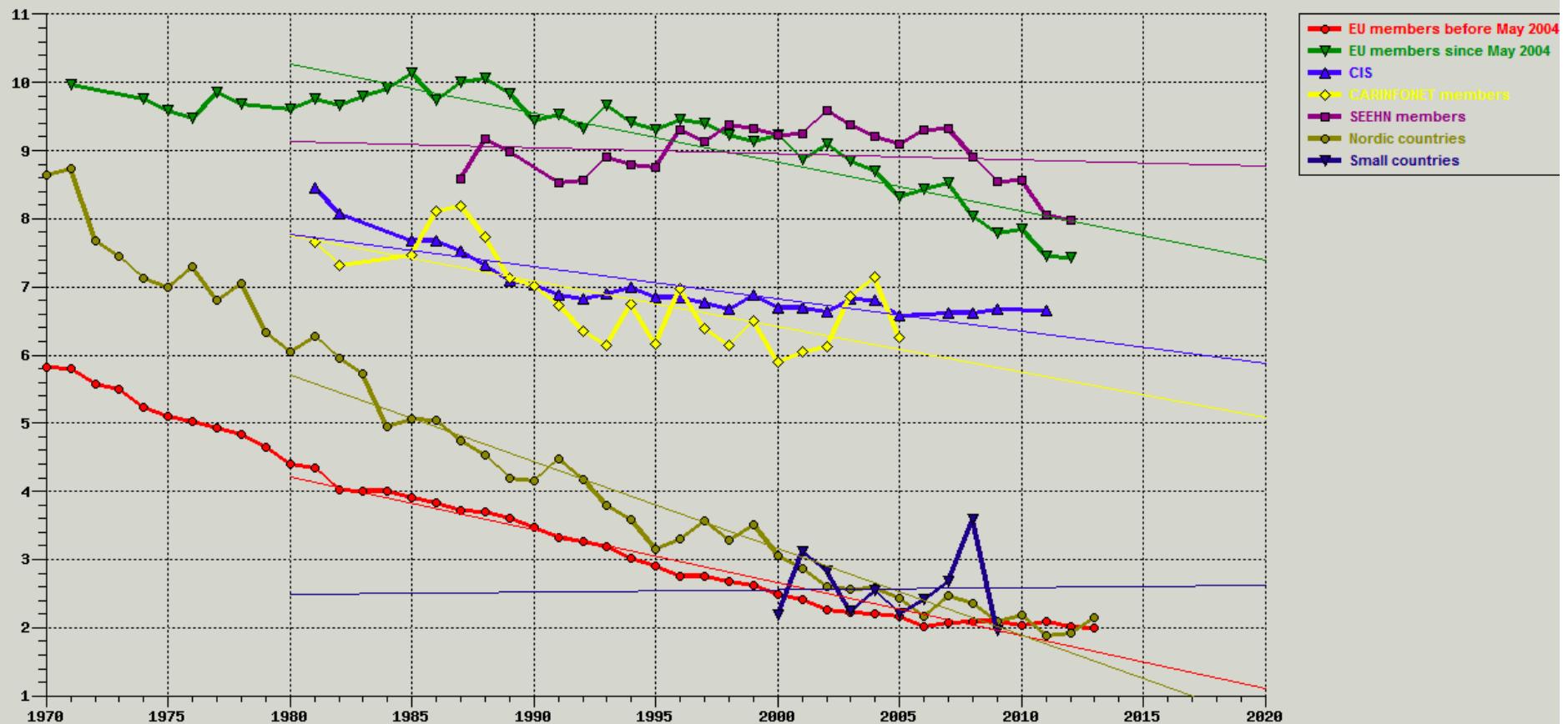
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WOMEN'S HEALTH & VIOLENCE AGAINST WOMEN

SDR, cancer of the cervix uteri, all ages, per 100 000



Source: WHO/Europe, European HFA Database, December 2015

1 **Figure 26. Urban rural differences in antenatal care coverage (at least one visit) (%), last year available for 18 WHO Member States**

2 Source: UNICEF

4 Antenatal care coverage: at least one visit - Percentage

5 Last update: September 2014

7 Code	Country	Year	Wealth quintile									Source
			Total	Urban	Rural	Poorest	Second	Middle	Fourth	Richest		
8 TJK	Tajikistan	2012	78.8	82.7	77.7	66.3	70.9	81.7	89.7	86.7	DHS 2012	
9 BIH	Bosnia and Herzegovina	2011-2012	87	85.3	87.7	93.1	82	86.4	86.7	88.9	MICS 2011-2012	
10 AZE	Azerbaijan	2006	76.6	89.7	62.7	53.2	68.8	81.5	91.3	95.3	DHS 2006	
11 TUR	Turkey	2008	92	94.7	84.2	76.1	90.6	98.5	98	98.6	DHS 2008	
12 ROU	Romania	2004	93.5	96	91.1	-	-	-	-	-	Other NS 2004	
13 MNE	Montenegro	2005-2006	97.4	97.3	97.4	93.4	100	97.5	98.4	97.2	MICS 2005-2006	
14 TKM	Turkmenistan	2000	98.1	97.9	98.3	-	-	-	-	-	DHS 2000	
15 ARM	Armenia	2010	99.1	98.4	100	99.6	98.8	99.7	97.7	99.7	DHS 2010	
16 MDA	Republic of Moldova	2012	98.8	98.6	98.9	94.9	100	99.6	99.5	98.9	MICS(Prelim) 2012	
17 KGZ	Kyrgyzstan	2012	97	98.7	96.2	95.5	96.5	97.7	96.2	99.2	DHS 2012	
18 UKR	Ukraine	2012	98.6	98.9	98.1	98.8	97.1	98.8	99.4	99.3	MICS 2012	
19 KAZ	Kazakhstan	2010-2011	99.2	99	99.4	98.8	99.8	98.8	99.3	99.2	MICS 2010-2011	
20 ALB	Albania	2008-2009	97.3	99.1	96.2	93.3	95.7	99	99.9	99.3	DHS 2008-2009	
21 GEO	Georgia	2010	97.6	99.1	96.1	94	96.9	97.6	98	100.1	RHS 2010	
22 UZB	Uzbekistan	2006	99	99.1	99	98	98.2	99.7	100	99.2	MICS 2006	
23 MKD	TFYR Macedonia	2011	98.6	99.6	97.5	97	98	98.3	100	99.6	MICS 2011	
24 SRB	Serbia	2010	99	99.7	98.2	95.4	100	100	100	99.8	MICS 2010	
25 BLR	Belarus	2012	99.7	100	98.8	97.8	100	100	100	100	MICS 2012	

28 Definition: Percentage of women aged 15–49 years attended at least once during pregnancy by skilled health personnel (doctor, nurse or midwife)

29 The indicator refers to women who had a live birth in a recent time period, generally two years for MICS and five years for DHS.

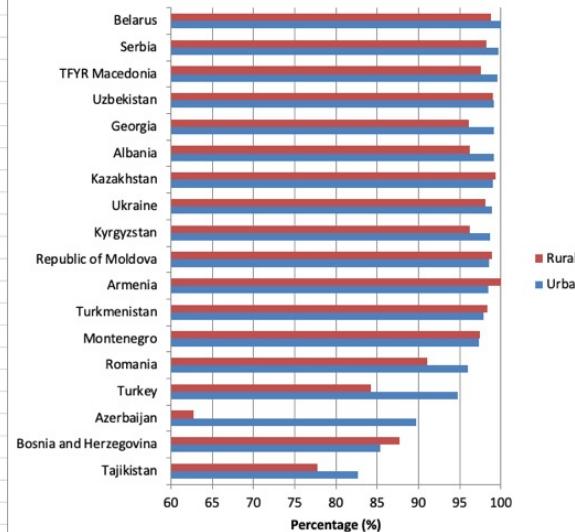
39 Notes: *The regional averages are based on countries with available data on the period 2009-2013. These averages are weighted with country specific total births in 2013.

40 2005-2006 data are included). These averages are weighted with country specific total births in 2013, and represent data from countries covering at least 50% of regional number of births.

41 - Data not available.

42 DHS Demographic and Health Surveys

43 MICS Multiple Indicator Cluster Surveys



Notes: Antenatal care coverage refers to the percentage of women aged 15–49 years attended at least once during pregnancy by skilled health personnel (doctor, nurse or midwife). The indicator refers to women who had a live birth in a recent time period, generally two years for MICS (Multiple Indicator Cluster Surveys) and five years for DHS (Demographic and Health Surveys).

Source: UNICEF Global databases 2014 based on DHS, MICS and other nationally representative surveys, <http://www.data.unicef.org/maternal-health/antenatal-care>

gauden / ewhr

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Files

master +

Go to file

ewhr

data

- hfa_1012.html
- hfa_250.html
- list_of_tables_for_summary.xlsx
- notes.txt
- raw_data_20150701.xlsx
- vaw.xls

tpl

- __init__.py
- fig_01.ipynb
- fig_02.ipynb
- fig_03.ipynb
- fig_04.ipynb
- fig_05.ipynb
- fig_06.ipynb
- fig_07.ipynb
- fig_08.ipynb
- fig_09.ipynb
- fig_10.ipynb
- fig_11.ipynb

ewhr / ewhr / fig_12.ipynb

gauden Add PlotRecord check (at end of fig_18) · 3a10cdf · 10 years ago · History

Preview Code Blame 432 lines (432 loc) · 12.8 KB

Raw

Justification of Wife-Beating Among Adolescents

Setup

```
In [1]: from __future__ import unicode_literals, print_function, division
```

```
In [2]: import os
```

```
In [3]: import numpy as np
import pandas as pd

import plotly.plotly as py
from plotly.graph_objs import *
import plotly.tools as tls
```

/Users/gauden/anaconda/lib/python2.7/site-packages/pytz/__init__.py:29: UserWarning: Module argparse was already imported from /Users/gauden/anaconda/lib/python2.7/argparse.pyc, but /Users/gauden/anaconda/lib/python2.7/site-packages/pytz/_strptime.py in module _strptime depends on it; the latter's version is being added to sys.path
from pkg_resources import resource_stream

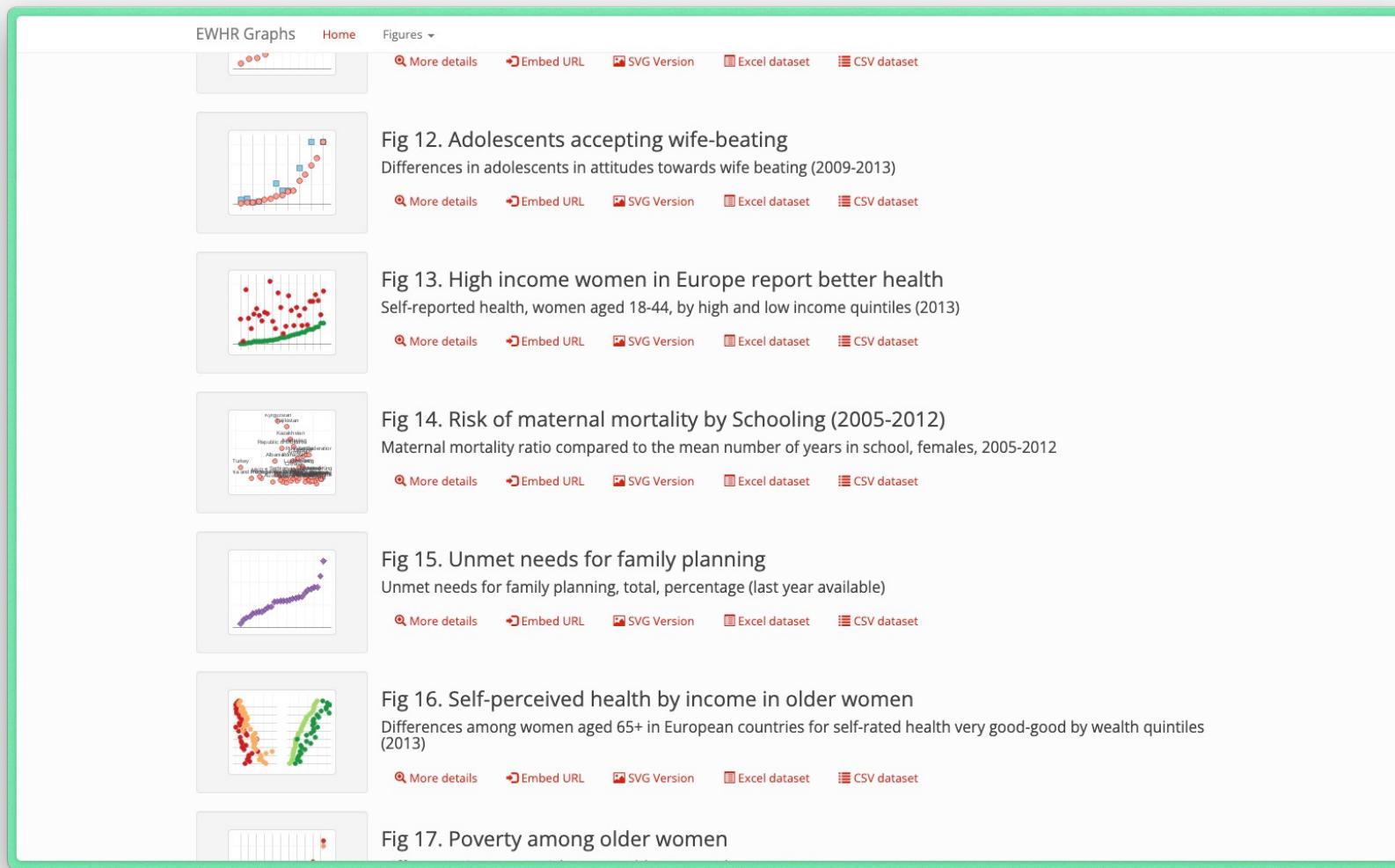
```
In [4]: import plot_constants as pc
```

Specific Configuration

```
In [5]: DATA_DIR = os.path.join('.', 'data')
RAW_FILE = os.path.join(DATA_DIR, 'raw_data_20150701.xlsx')
```

<https://github.com/gauden/ewhr/tree/master>





<https://gauden.github.io/ewhr/>



Editorial Notes

Footnotes	Data on male attitudes not available for Georgia, Montenegro, Tajikistan, MKD and Turkey. Data refer to the most recent year available during the period specified in the column heading. ¶ The former Yugoslav Republic of Macedonia (MKD) is an abbreviation of the International Organization for Standardization (ISO). <i>Source:</i> Unicef. State of the World's Children (2015) (9999)
Caption	Fig. 11 shows the percentage of boys and girls aged 15-19 who consider a husband to be justified in hitting or beating his wife for at least one of the following reasons: if his wife burns the food, argues with him, goes out without telling him, neglects the children or refuses sexual relations.
X-axis Label	Value not found. Please double-check (a blank value may be valid).
Y-axis Label	Percentage
Source	Unicef. State of the World's Children (2015)
Link to source	http://data.unicef.org/resources/the-state-of-the-world-s-children-report-2015-statistical-tables
Date accessed	Accessed 12 August 2015
Reference(s)	9999

Technical

Datasets	 Excel format  CSV format
Embed URL	https://plot.ly/~gauden/531.embed (Opens in new window. Also see technical notes on embedding in iframe .)
SVG URL	https://plot.ly/~gauden/531.svg (Opens in new window.)
Last updated	Wed, 12 Aug 2015 09:15:14 UTC



Editorial Notes

Footnotes Data on male attitudes not available for Georgia, Montenegro, Tajikistan, MKD and Turkey.
Data refer to the most recent year available during the period specified in the column heading.
The former Yugoslav Republic of Macedonia (MKD) is an abbreviation of the International Organization for Standardization (ISO).

Source: Unicef. State of the World's Children (2015); 1999.

Caption Fig. 11 shows the percentage of boys and girls aged 15–19 who consider a husband to be justified in hitting or beating his wife for at least one of the following reasons:

X-axis Label: If his wife burns the food, argues with him, goes out without telling him, neglects the children or refuses sexual relations.

Y-axis Label: Percentage.

Source Unicef. State of the World's Children (2015)

Link to source <http://data.unicef.org/resources/the-state-of-the-world-s-children-report-2015-statistical-tables>

Date accessed Accessed 12 August 2015

References(0) 9999

Technical

Datasets Excel format | CSV format

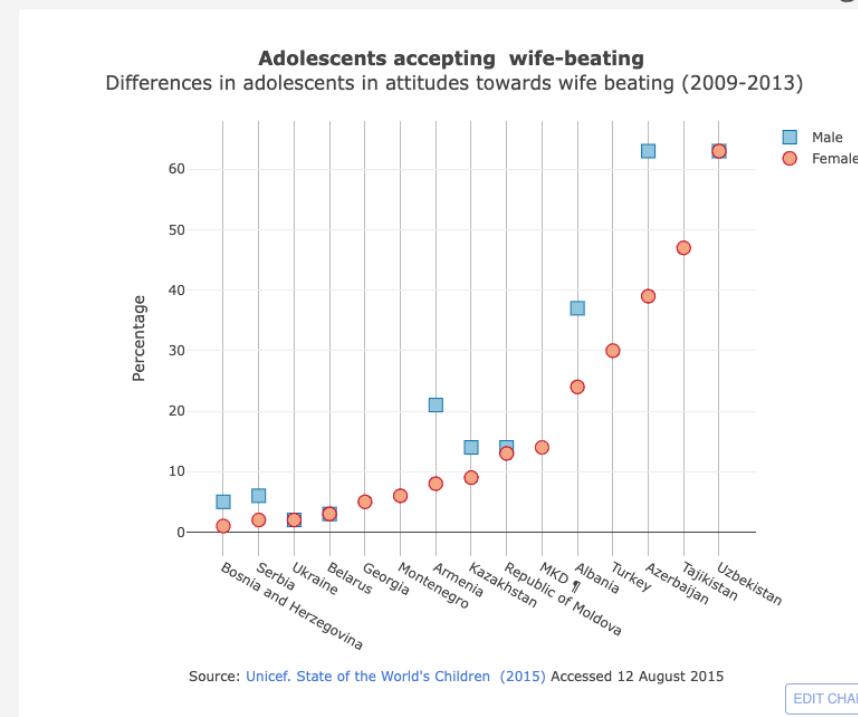
Embed URL <https://plink.hn/~gaudien/531/embed> (Opens in new window. Also see technical notes on embedding in iFrame.)

SVG URL <https://plink.hn/~gaudien/531.svg> (Opens in new window.)

Last updated Wed, 12 Aug 2015 09:15:14 UTC

Fig 12. Adolescents accepting wife-beating

Differences in adolescents in attitudes towards wife beating (2009-2013)





Beyond the mortality advantage Investigating women's health in Europe



<https://iris.who.int/handle/10665/348979>

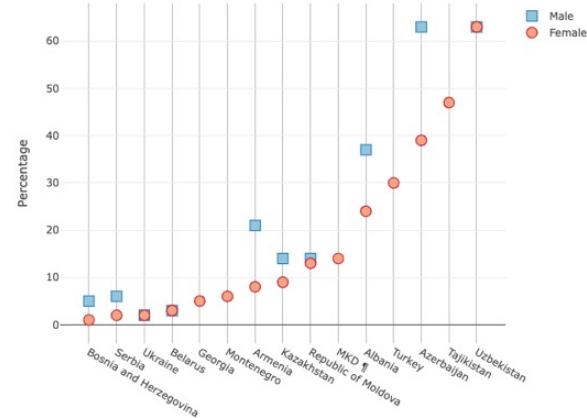
Beyond the mortality advantage:
investigating women's health in Europe

3

burns the food, argues with him, goes out without telling him, neglects the children or refuses sexual relations. A high percentage of adolescent boys think wife-beating is justified for things like burning the dinner, but an equivalent percentage of adolescent girls in some countries share this view(19).

Adolescents accepting wife-beating

Differences in adolescents in attitudes towards wife beating (2009–2013)



*The former Yugoslav Republic of Macedonia.

MAIN ISSUES TO BE ADDRESSED

- Special attention should be paid to the impact of interventions beyond childhood and their intergenerational effect.
- Adolescent girls should have access to comprehensive sexuality education that empowers them to live a healthy, pleasurable sexual life free of coercion, unintended pregnancy and disease (41). Education of boys is crucial to achieving this.
- Policy measures to limit tobacco and alcohol use, promote an adequate diet and improve physical activity are important, but greater attention is needed to improve coverage for girls who are disadvantaged and/or not in the mainstream system.
- Interventions need to go wider than the school setting to ensure coverage. Outreach interventions, use of social media and adolescents' participation in programmes are crucial.
- Girls need protection from gender-based violence, including being subjected to early marriage, exploitation, abuse, and intimate-partner and sexual violence.
- Gender stereotyping, with its negative impact on girls' behaviour and opportunities, needs to be reflected in health-promotion and disease-prevention policies for adolescents.
- Improved age and sex disaggregation of health information and intervention research cross-linked to socioeconomic determinants will help to highlight the particular needs of adolescent girls and the approaches necessary to meet them.

PAGE 19





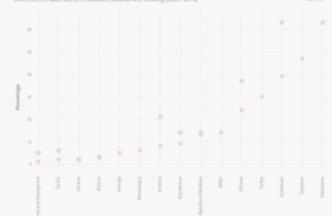
Beyond the mortality advantage
Investigating women's health in Europe



Beyond the mortality advantage:
Investigating women's health in Europe

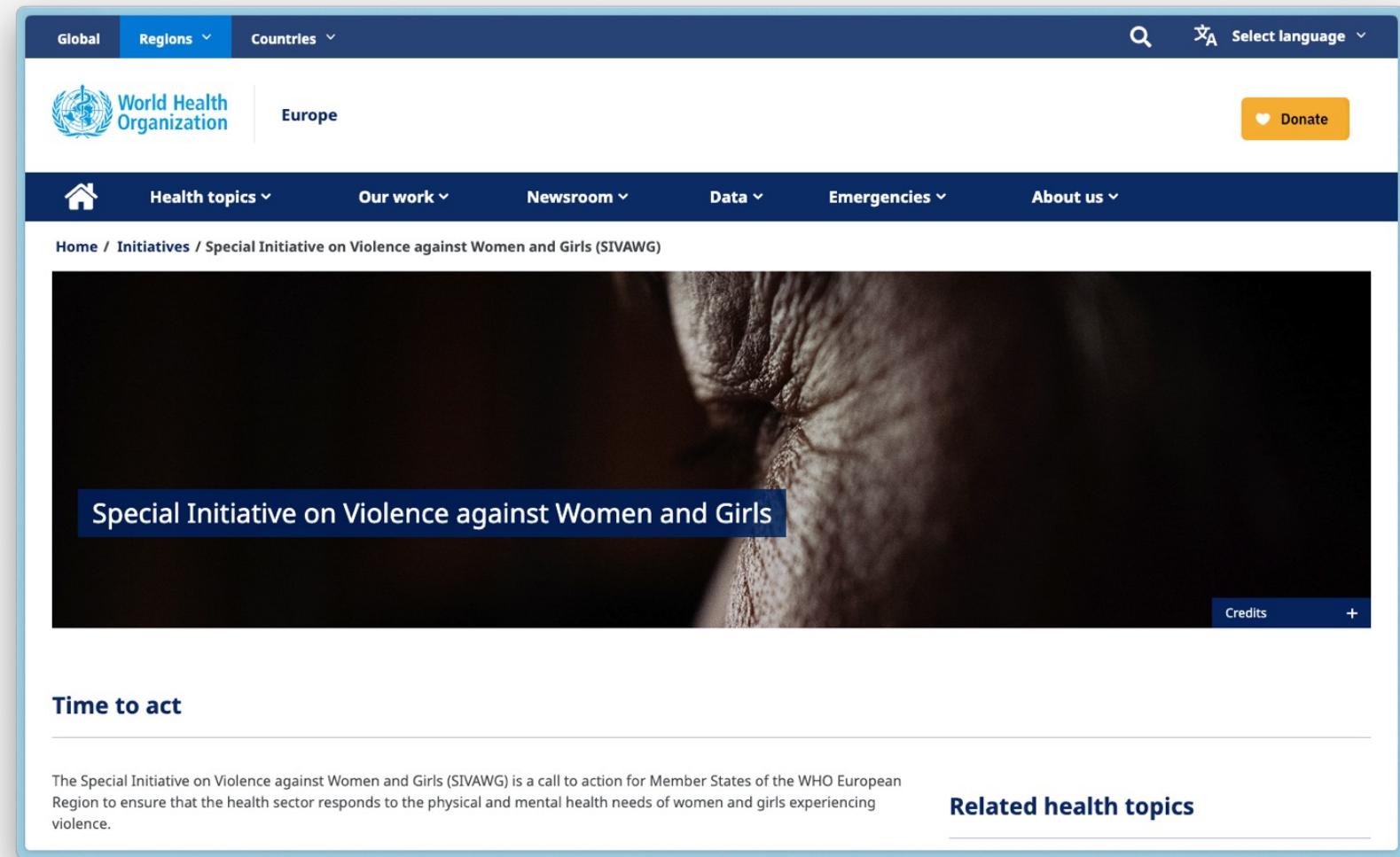
Burns the food, argues with him, goes out without telling him, neglects the children or refuses sexual relations. A high percentage of girls in some countries share this view.³

Fig. 11
Adolescents accepting wife-beating
Differences in adolescents in attitudes towards wife-beating (2009–2010)



The European Region Report on Adolescent Health

- MAIN ISSUES TO BE ADDRESSED
- Special attention should be paid to the impact of interventions beyond childhood and their intergenerational effect. Girls need skills that help them to comprehend sexuality education that empowers them to live a healthy, pleasurable sexual life free of coercion, unintended pregnancy and disease. Education of boys is crucial to achieving this.
 - Interventions need to address the social norms that accept violence against women and girls as normal, but greater attention is needed to protect coverage for girls who are disadvantaged and/or not in the mainstream system.
 - Interventions need to go wider than the school setting to ensure coverage. Outreach interventions, use of social media and adolescents' participation in programmes are crucial.
 - Girls need to be protected from gender-based violence, including being subjected to early marriage, exploitation, abuse, and discrimination.
 - Gender stereotyping, with its negative impact on girls' behaviour and opportunities, needs to be reflected in health policies and interventions.
 - Improved age and sex disaggregation of health information and intervention research cross-linked to socioeconomic determinants will help to highlight the particular needs of adolescent girls and the approaches necessary to meet them.



The screenshot shows the WHO Europe website. At the top, there are navigation links for 'Global', 'Regions ▾', 'Countries ▾', a search bar, a language selection dropdown ('Select language'), and a 'Donate' button. The main header features the WHO logo and the word 'Europe'. Below the header, there is a navigation menu with links to 'Health topics ▾', 'Our work ▾', 'Newsroom ▾', 'Data ▾', 'Emergencies ▾', and 'About us ▾'. The main content area displays a large image of a woman's face in profile, with a dark blue banner overlaid containing the text 'Special Initiative on Violence against Women and Girls'. Below this, the section title 'Time to act' is visible, followed by a paragraph of text about the initiative. On the right side of the main content area, there is a 'Credits' link and a '+' icon. At the bottom of the page, there is a 'Related health topics' section.

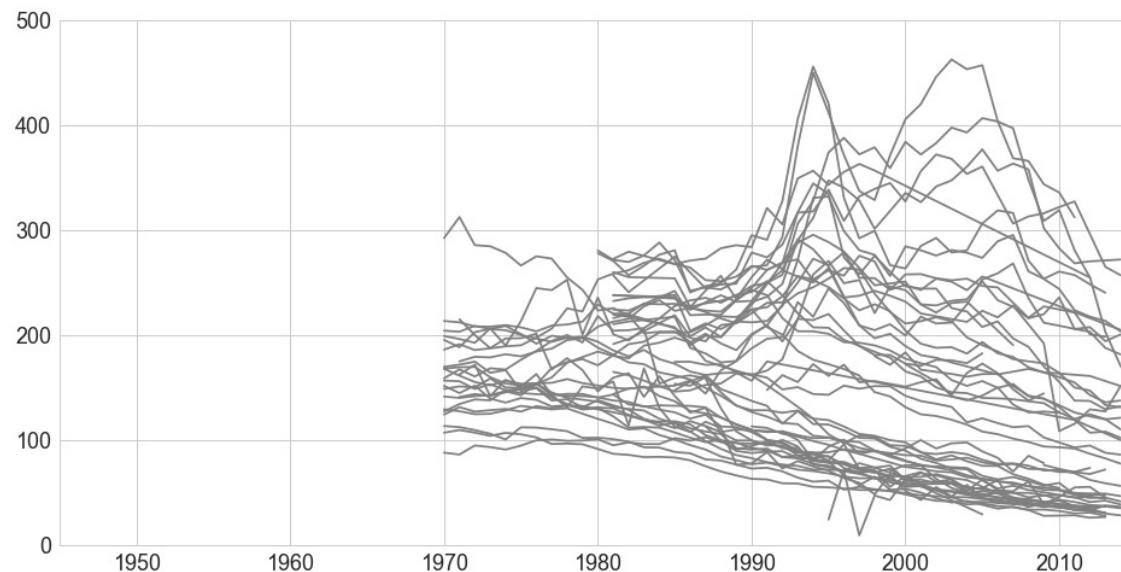
<https://www.who.int/europe/initiatives/special-initiative-on-violence-against-women-and-girls-sivawg>



A black and white photograph of a person jogging from behind. The person is wearing a blue tank top and dark shorts. The background is a blurred park setting with trees and foliage.

GAMIFYING CARDIOVASCULAR DISEASE

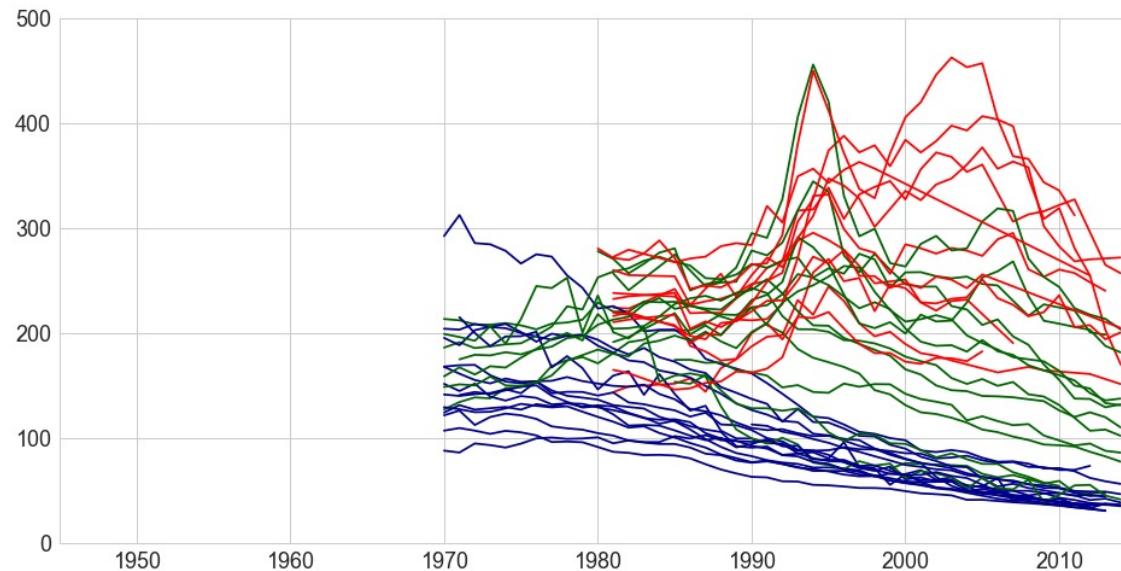
STANDARDIZED MORTALITY RATE, CIRCULATORY DISEASES, 0-64 YEARS, PER 100,000 MALES, ALL EURO COUNTRIES (2017)



COLOURED BY COUNTRY GROUPING

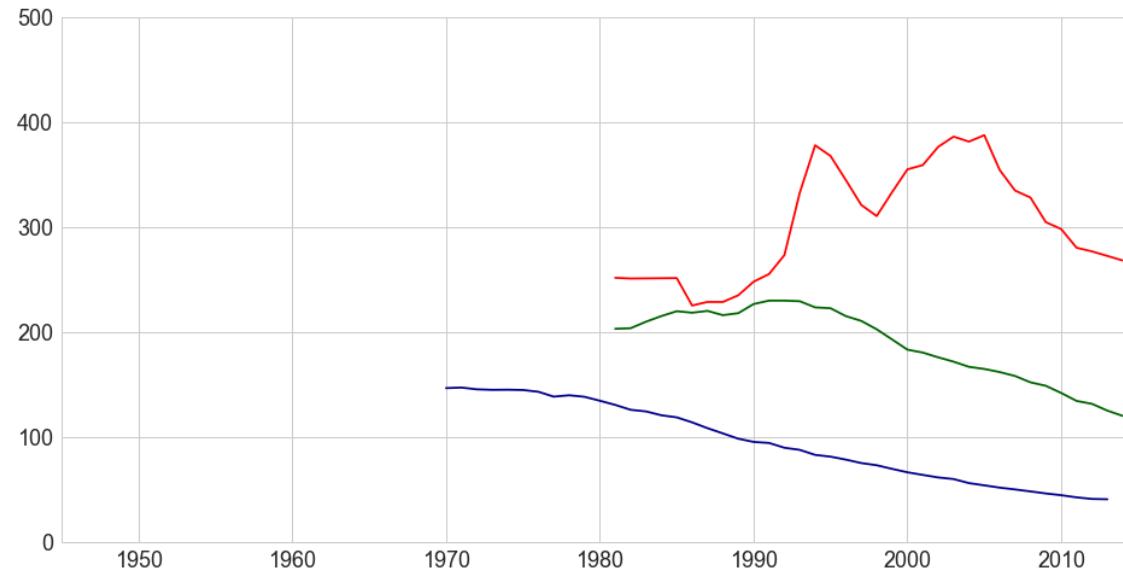
COMMONWEALTH INDEPENDENT STATES, EU13 (AFTER 2004), EU15 (BEFORE 2004)

Standardized
mortality rate,
circulatory
diseases, 0-64
years, per
100,000 males,
all EURO
countries



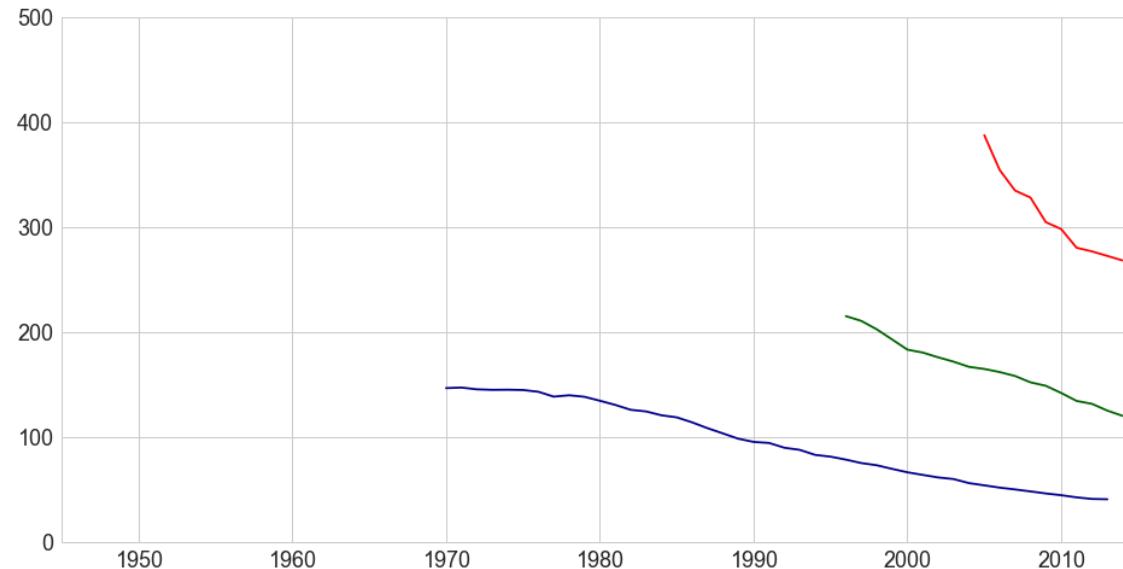
CONDENSED TO THE THREE AVERAGE TREND LINES: CIS, EU13, EU15

Standardized
mortality rate,
circulatory
diseases, 0-64
years, per
100,000 males,
all EURO
countries



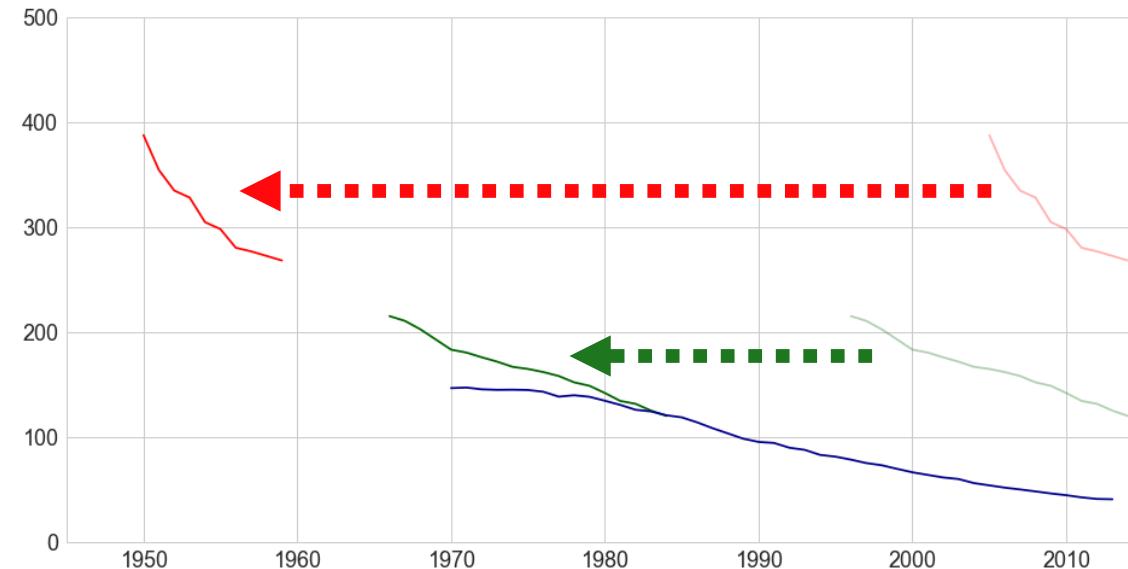
SELECTING ONLY THE PERIOD OF DECLINING RATES

Standardized
mortality rate,
circulatory
diseases, 0-64
years, per
100,000 males,
all EURO
countries



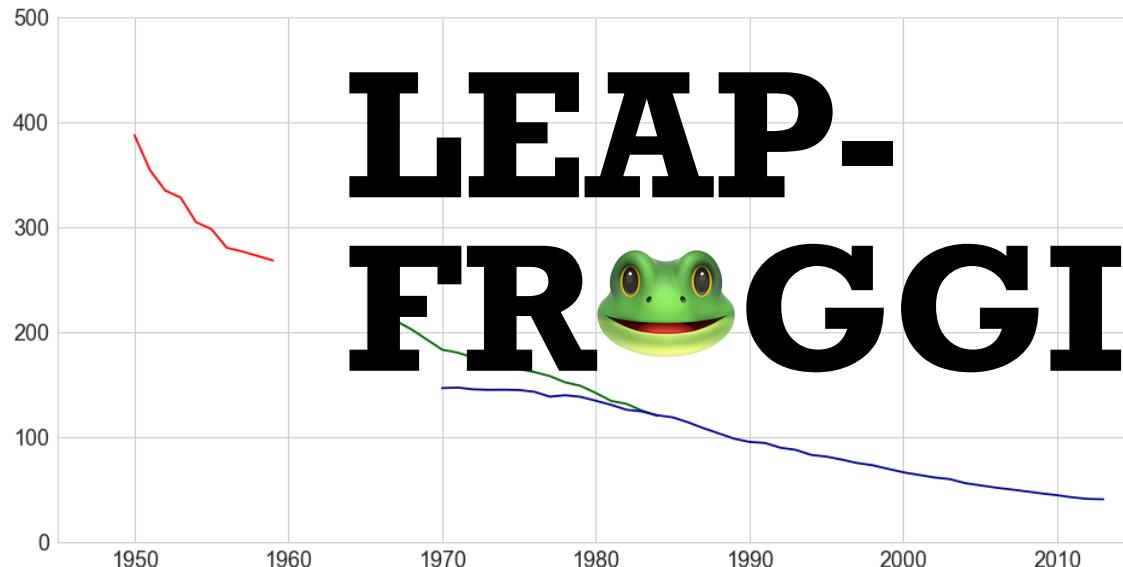
THOUGHT EXPERIMENT | SHIFT BACK IN TIME

Standardized
mortality rate,
circulatory
diseases, 0-64
years, per
100,000 males,
all EURO
countries



CIS MINUS 55 YEARS; EU13 MINUS 30 YEARS

Standardized
mortality rate,
circulatory
diseases, 0-64
years, per
100,000 males,
all EURO
countries



**LEAP-
FROGGING**



BULLS^{ARGET}EYE CHARTS

**LEAP-
FROGGING**

**100 WEEK
CHALLENGE**

**“QUICK
BUYS”**



A person wearing glasses is looking down at a computer screen. The screen displays several lines of code in a light blue font on a dark background. The person's face is partially visible in profile, showing their nose and ear. The overall atmosphere is dark and focused.

def forge_vision(participants):

...



A JOINT VISION

How might Python
and its community
bring about a vision
of an “open-source
public health
operating system”?



cat requirements.txt

python # of course

pandas

openpyxl

matplotlib

plotly

bokeh

nvd3

NetworkX

ipyvizzu

(reveal.js...)

> git blame # with deepest gratitude ☺

- Vaping case study
 - Solo project
- Women's health report charts
 - **Isabel Yordi; Vivian Barnekow; report authors**
- Cardiovascular graphs
 - **Ivo Rakovac; Enrique Loyola**
- AI Events (Pera)
 - **Nebi Bekiri; Miguel Guadarrama; Nuwan Weerasinghe**



THANK YOU 🙏



URL	https://gaudengalea.com
LinkedIn	@gauden
Github	@gauden
Bluesky	@gauden.bsky.social
Slides	https://gauden.github.io/slides/europython2025/ppph.pdf

