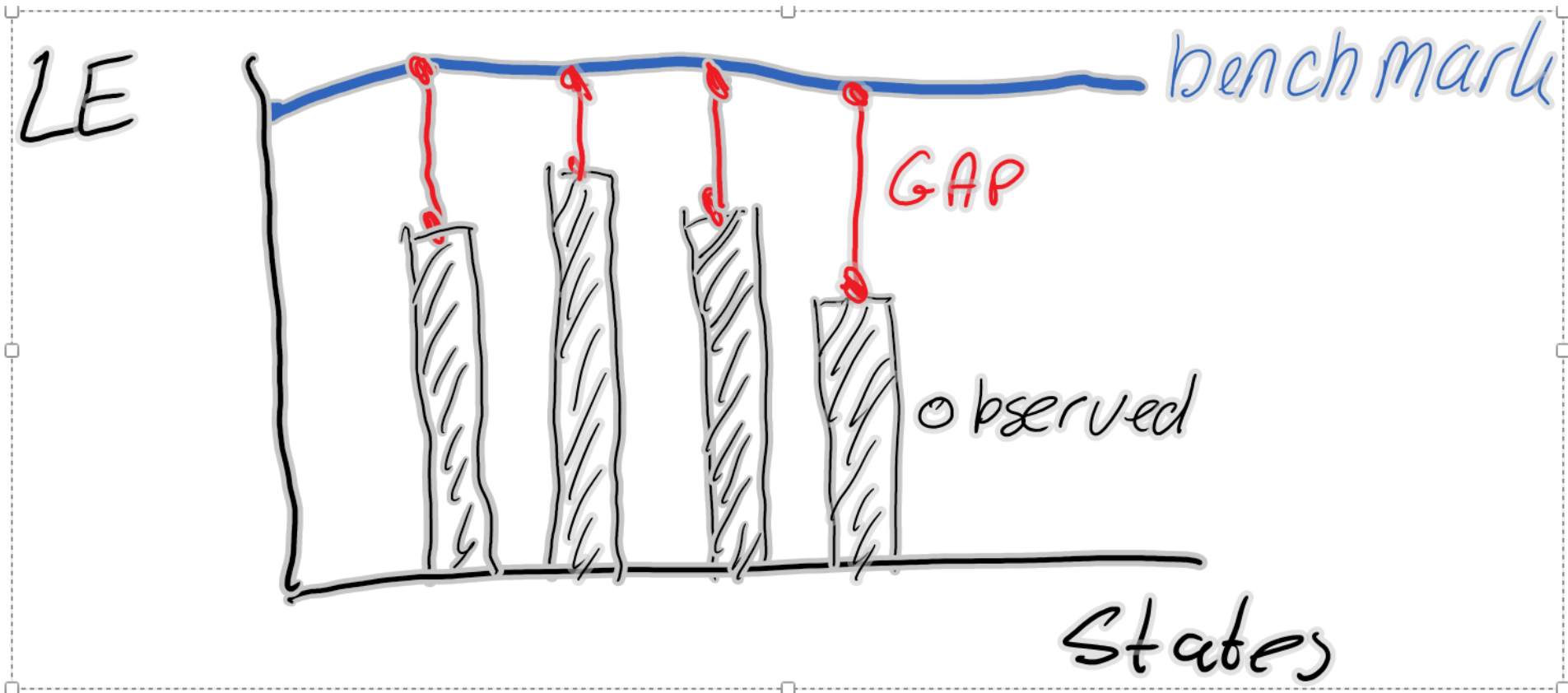


Mind the gap!

Rostock Retreat
dataviz challenge
team # 2



What the f*ck, Tim!



What is the story behind the gap?

homicide

What is the story behind the gap?

homicides

drug cartels

What is the story behind the gap?

homicides

drug cartels

What is the story behind the gap?

traffic accidents

homicides

drug cartels

What is the story behind the gap?

alcohol abuse

traffic accidents

homicides

drug cartels

What is the story behind the gap?

natural causes

alcohol abuse

traffic accidents

access to healthcare

homicides

drug cartels

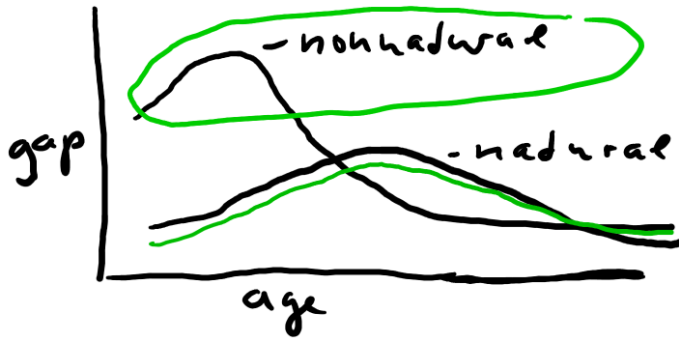
What is the story behind the gap?

natural causes

alcohol abuse

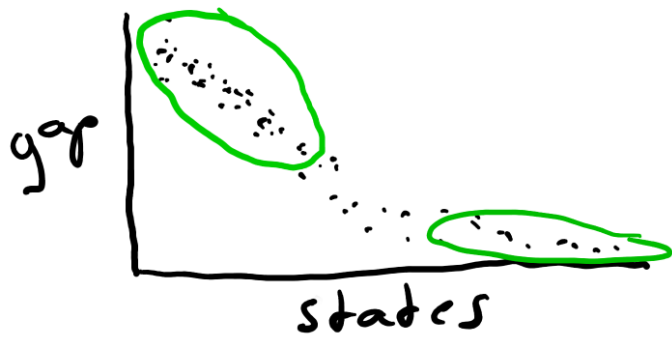
traffic accidents

1) age variation?



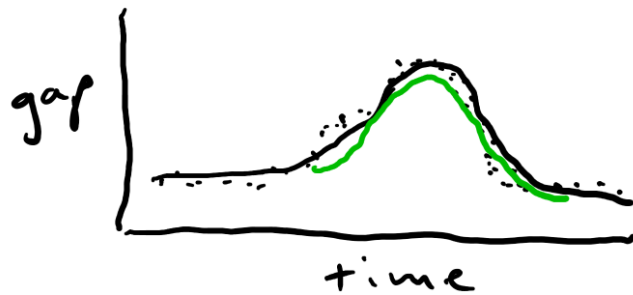
yes!
for non-nat.
causes

2) spatial variation?



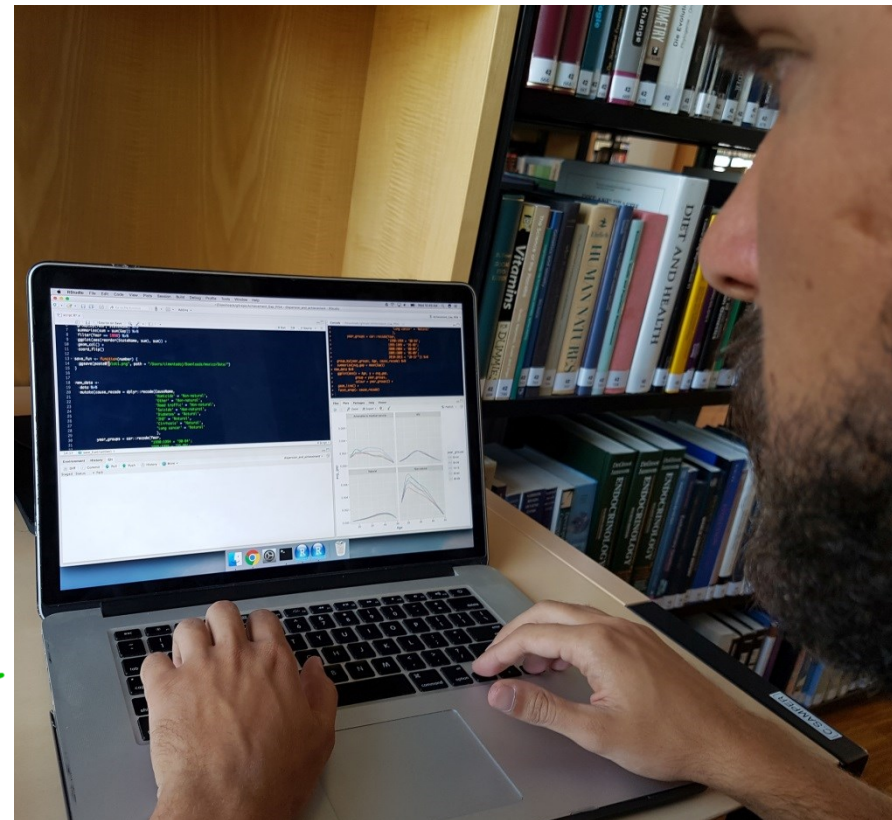
yes!

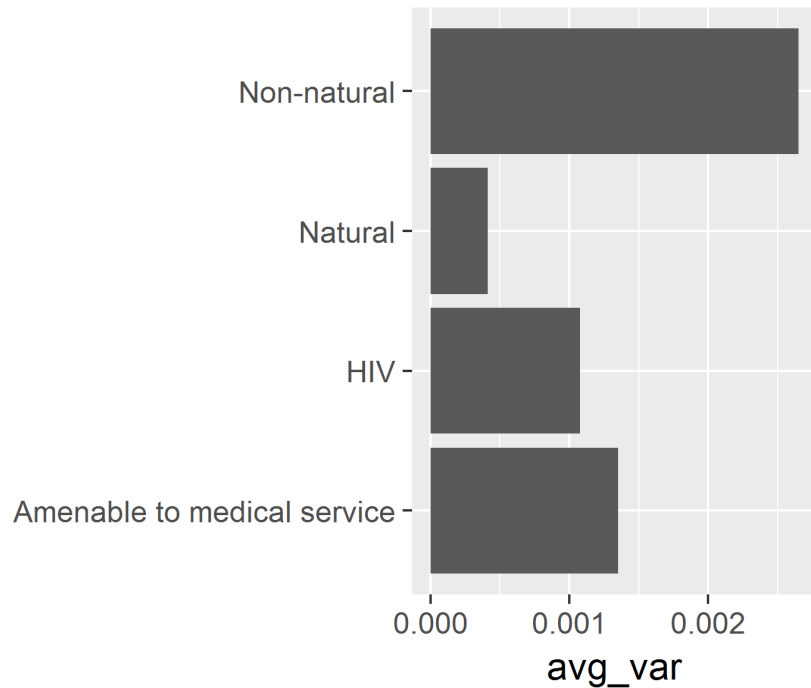
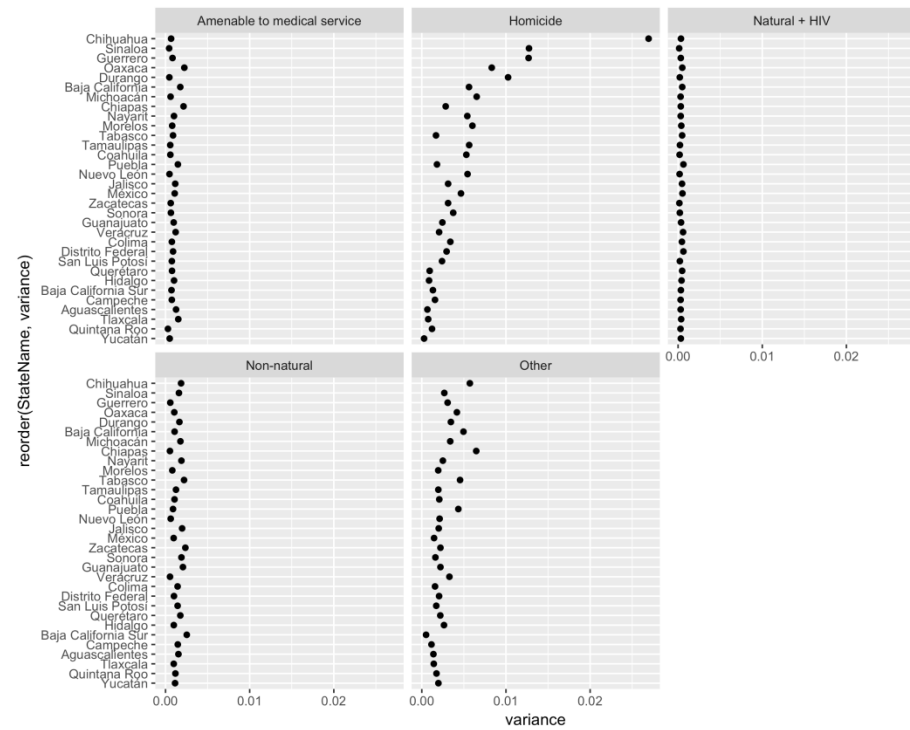
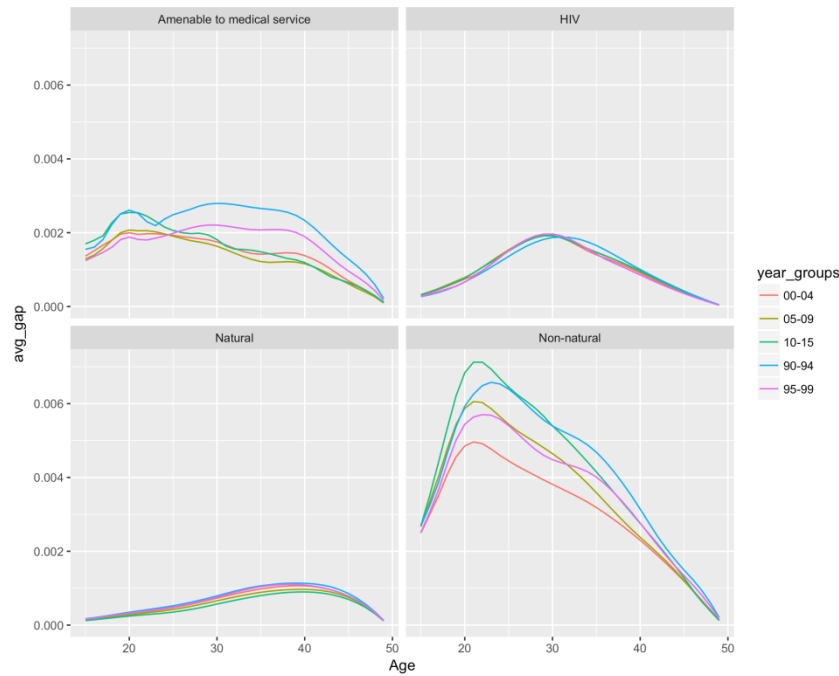
3) temporal variation?



yes!
for non-
natural

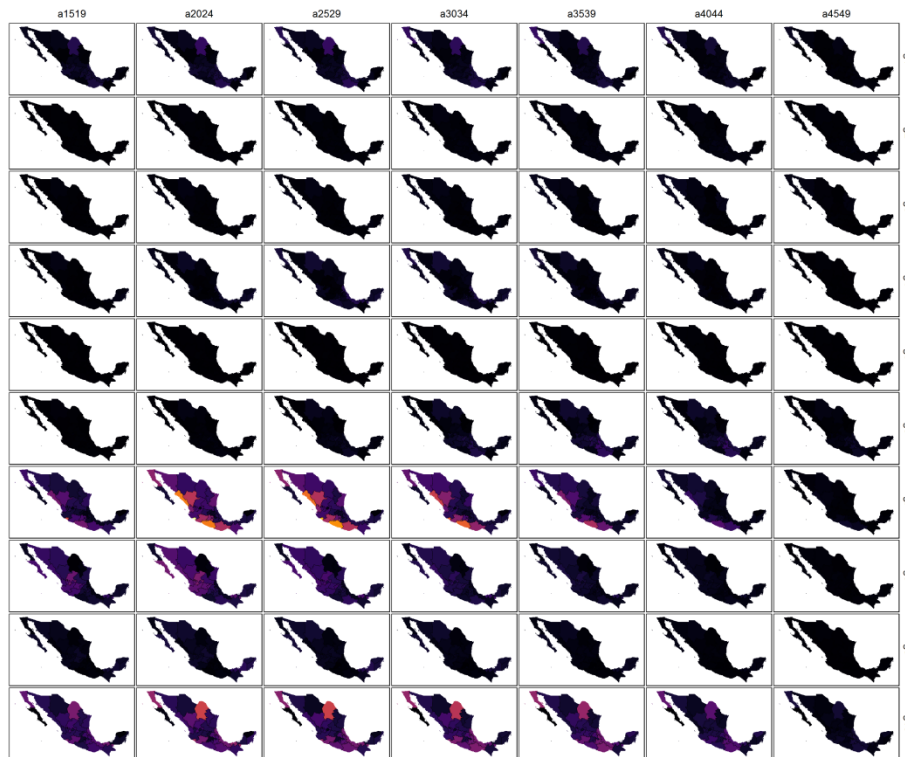
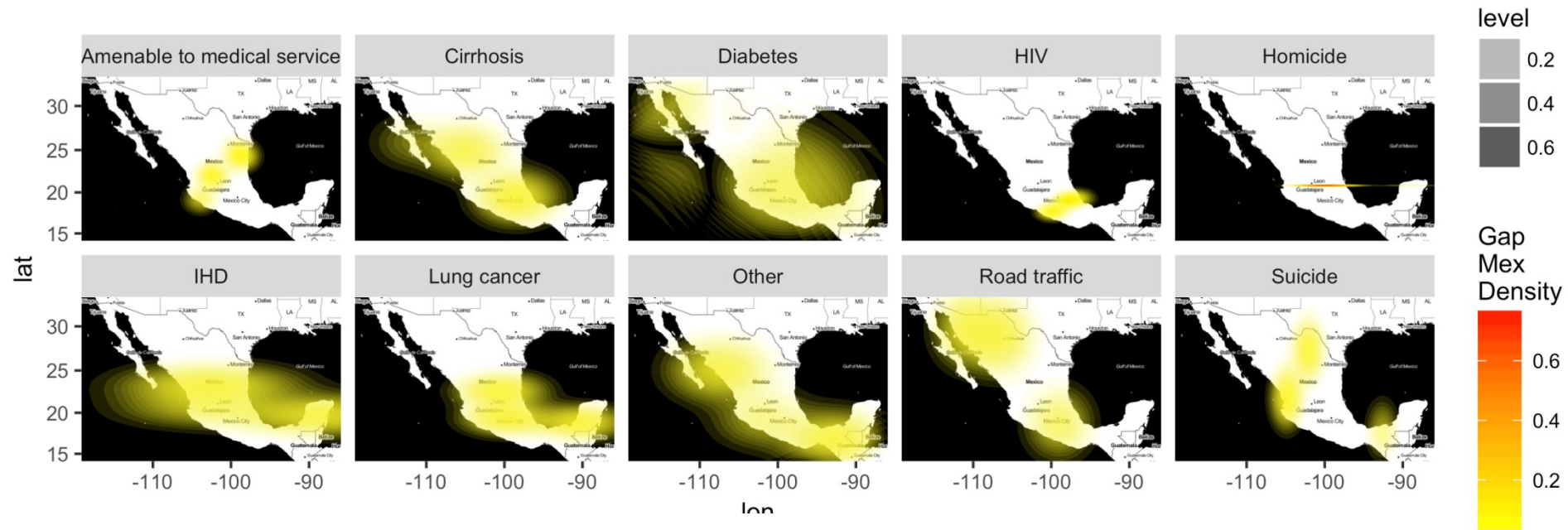
Wrangling with
complexity





Exploring viz
possibilities

Dimension
reduction



Exploring viz possibilities

Spatial data

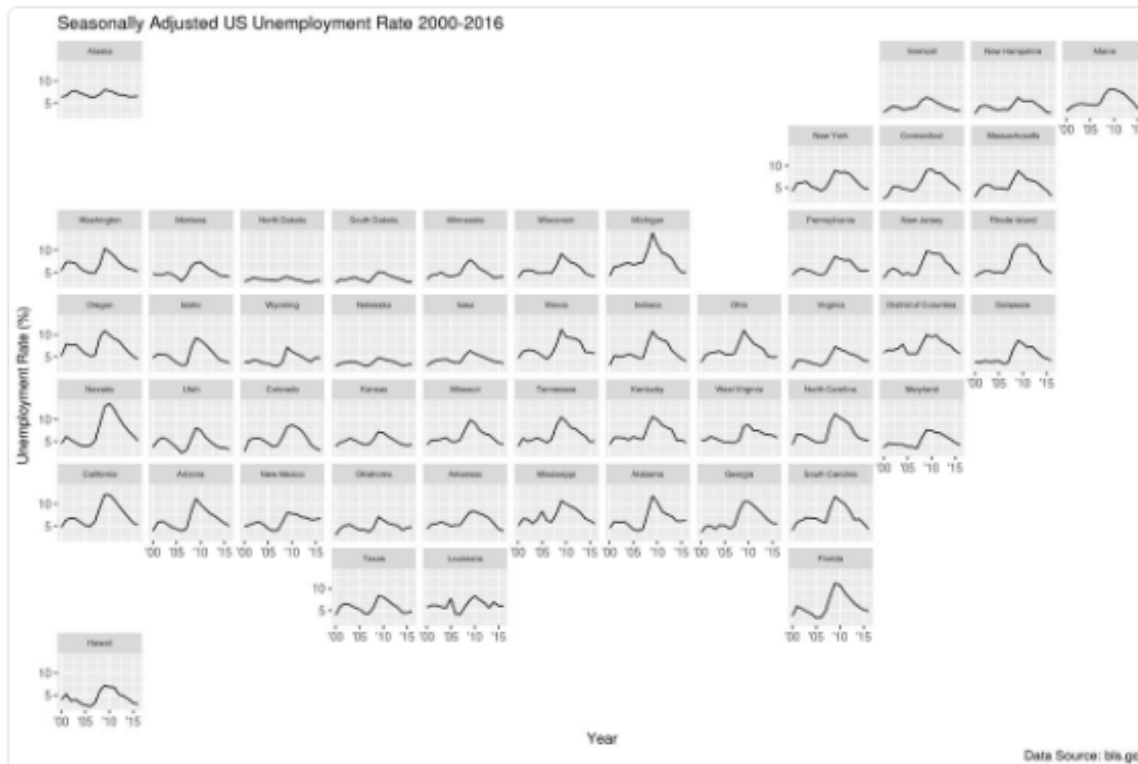


Ryan Hafen
@hafenstats

Following



geofacet package now on CRAN! cran.r-project.org/web/packages/geofacet/ ... No blog post yet (coming!) but vignette here: hafen.github.io/geofacet/ #rstats #ggplot



Retweets
122

Likes
336



7:58 PM - 21 Jun 2017

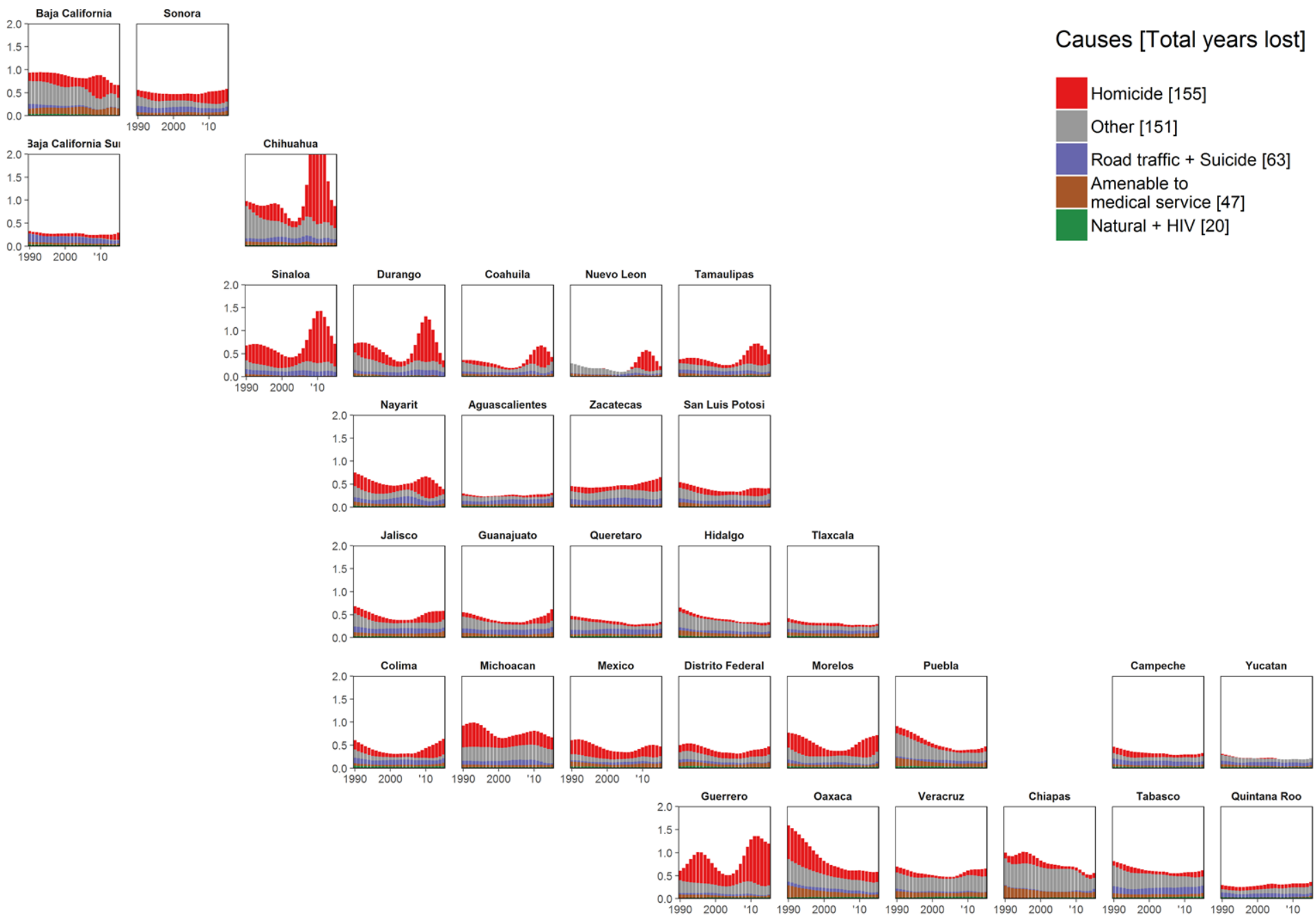
geofacet

Arrange small
multiples
according to
the location of
regions

MAP THE GAP

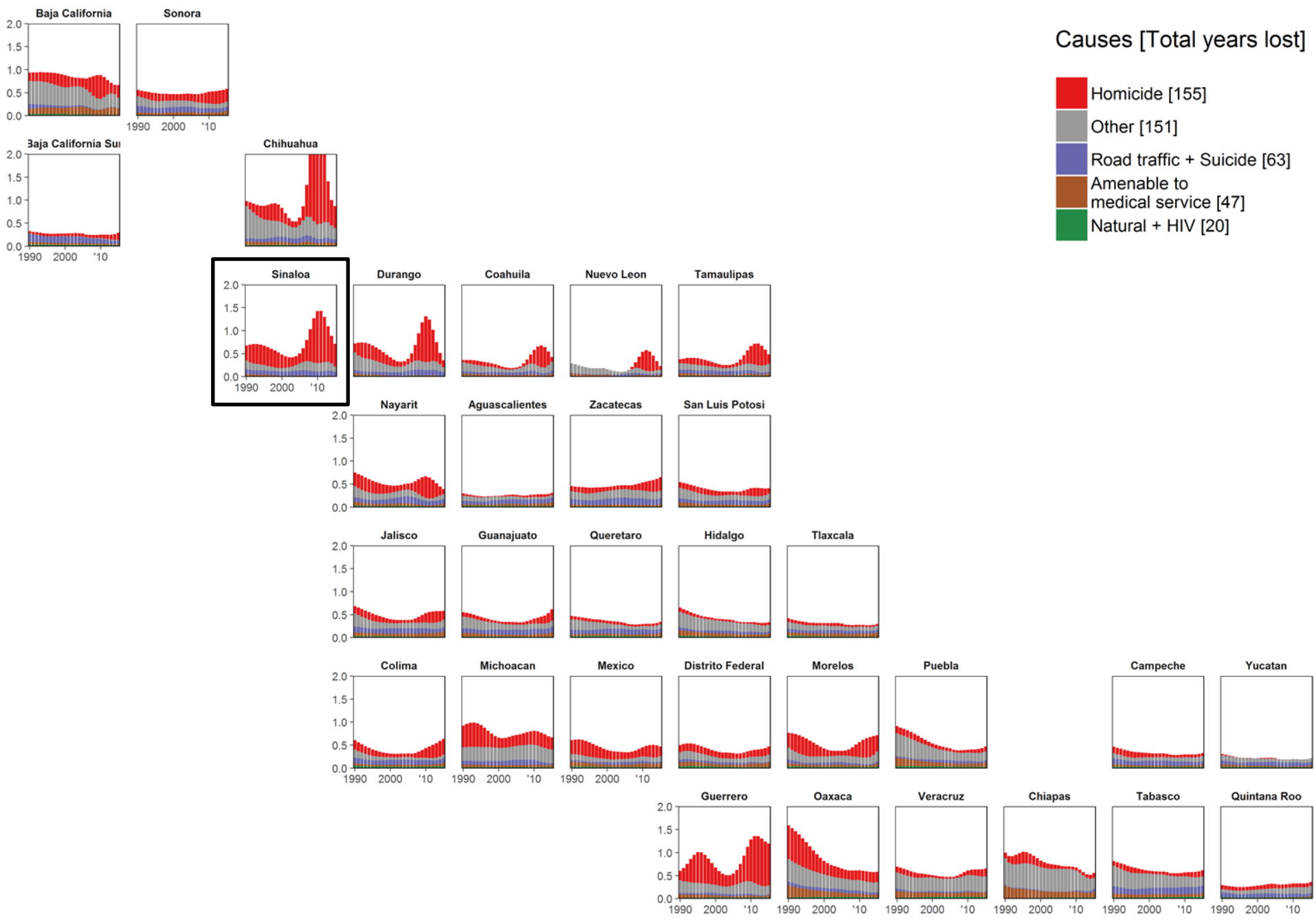
Gap between observed and best-practice life expectancy for Mexican states

Years of life lost by cause of death across time (1990-2015)



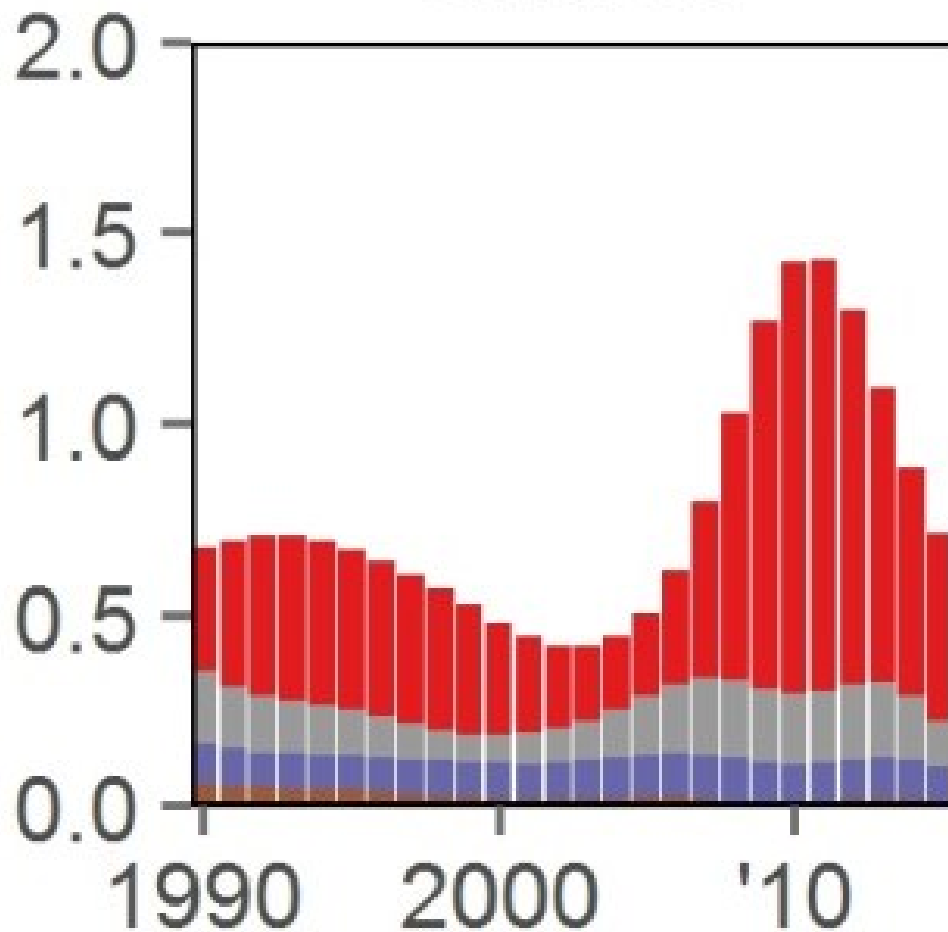
Gap between observed and best-practice life expectancy for Mexican states

Years of life lost by cause of death across time (1990-2015)



Years of life lost (gap)

Sinaloa

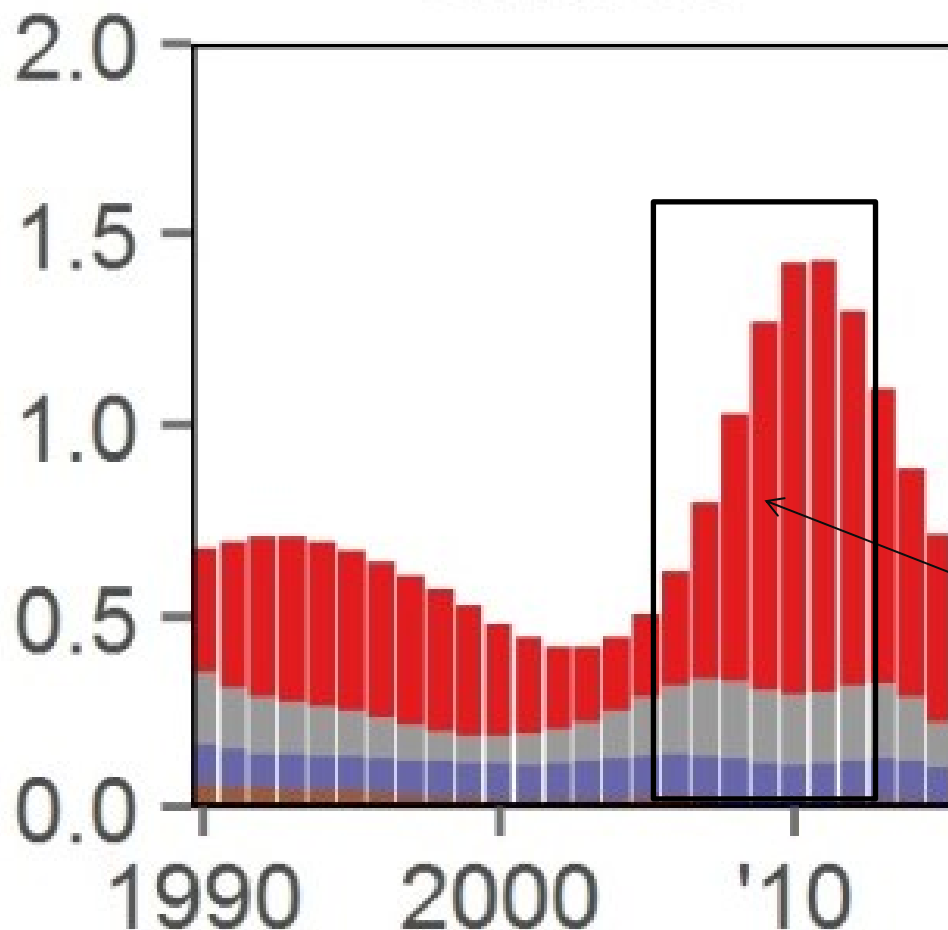


Causes [Total years lost]

- Homicide [155]
- Other [151]
- Road traffic + Suicide [63]
- Amenable to medical service [47]
- Natural + HIV [20]

Years of life lost (gap)

Sinaloa



Causes [Total years lost]

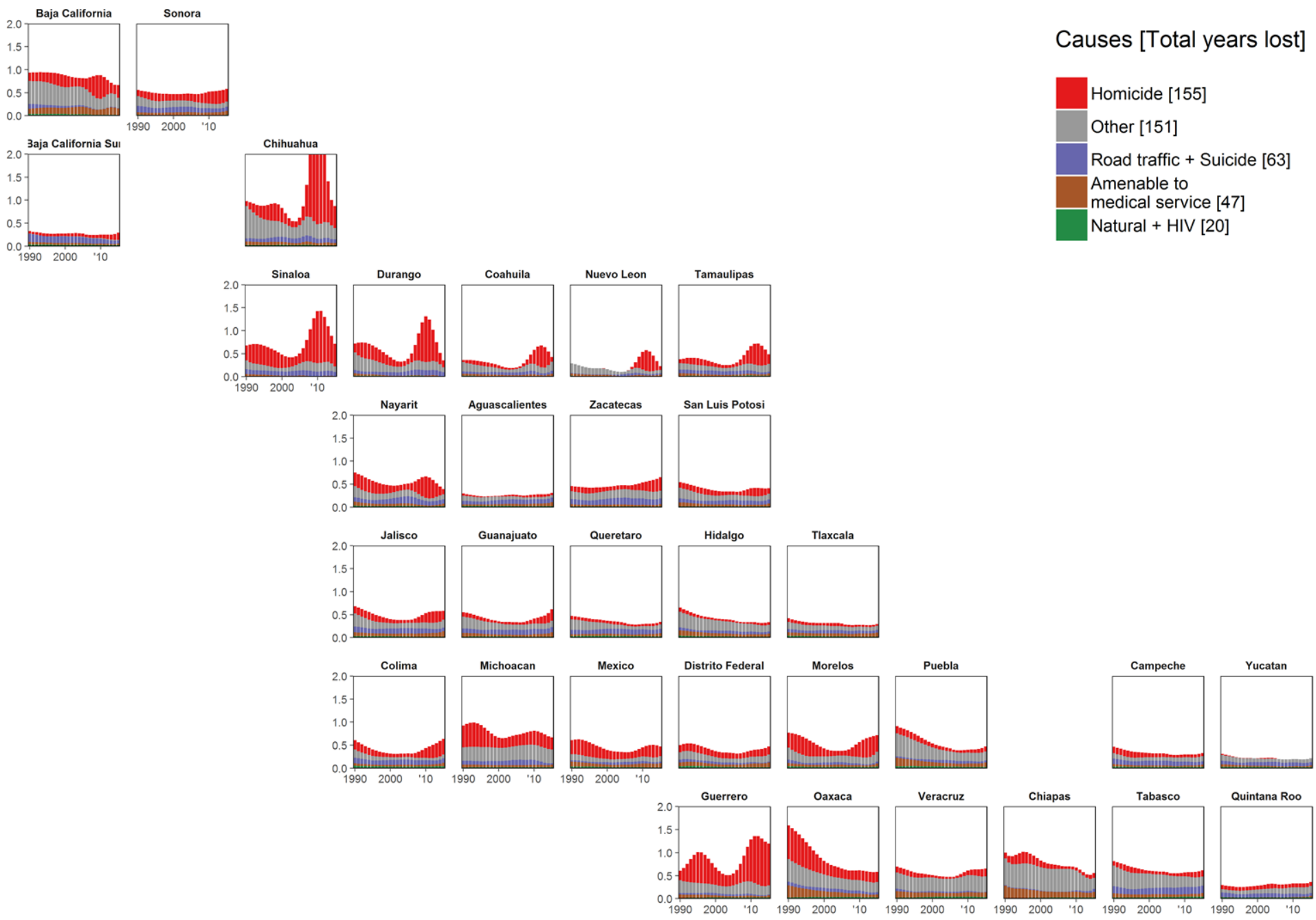
- Homicide [155]
- Other [151]
- Road traffic + Suicide [63]
- Amenable to medical service [47]
- Natural + HIV [20]

Calderon's
drug war
(2006 - 2012)

Year

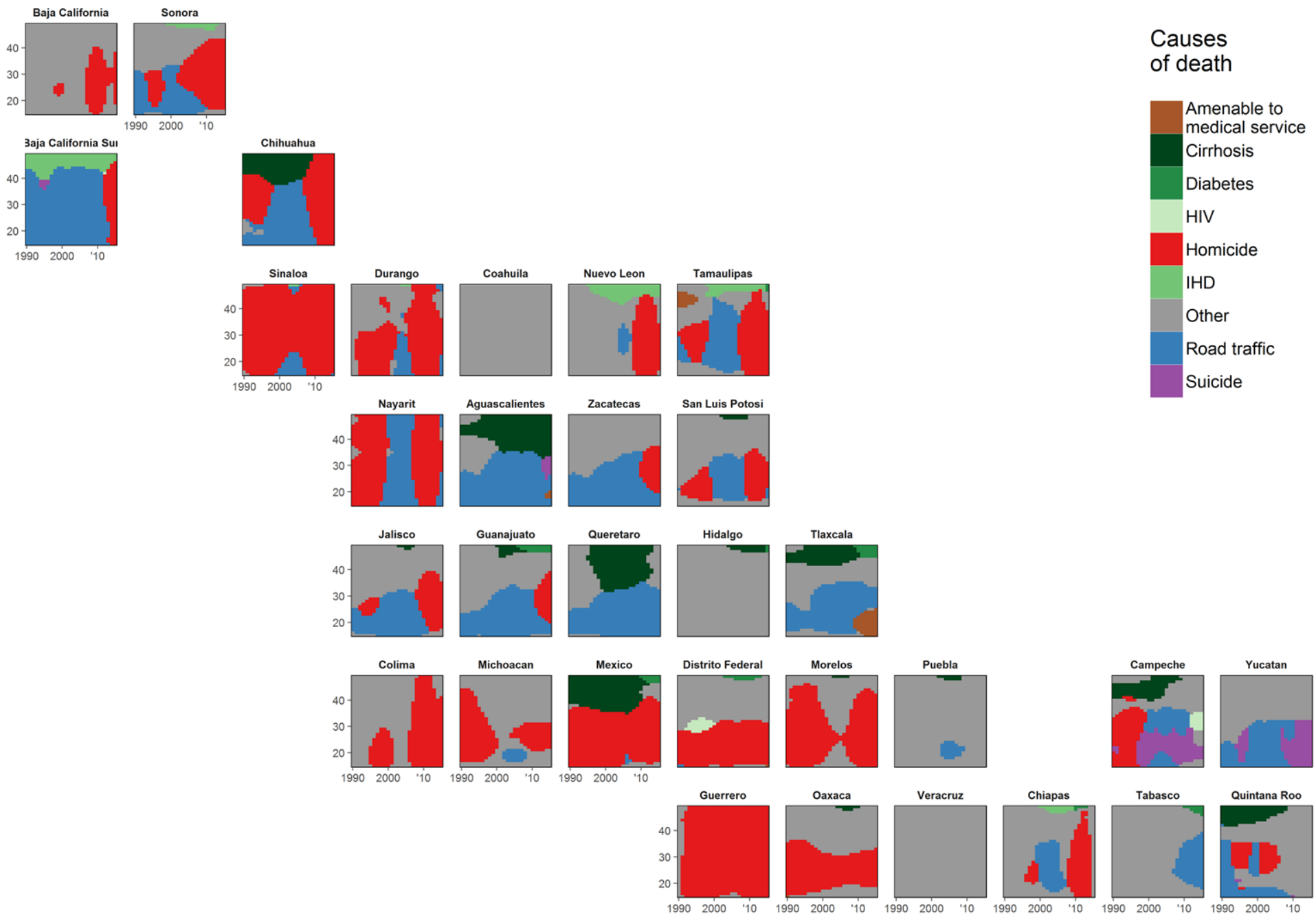
Gap between observed and best-practice life expectancy for Mexican states

Years of life lost by cause of death across time (1990-2015)



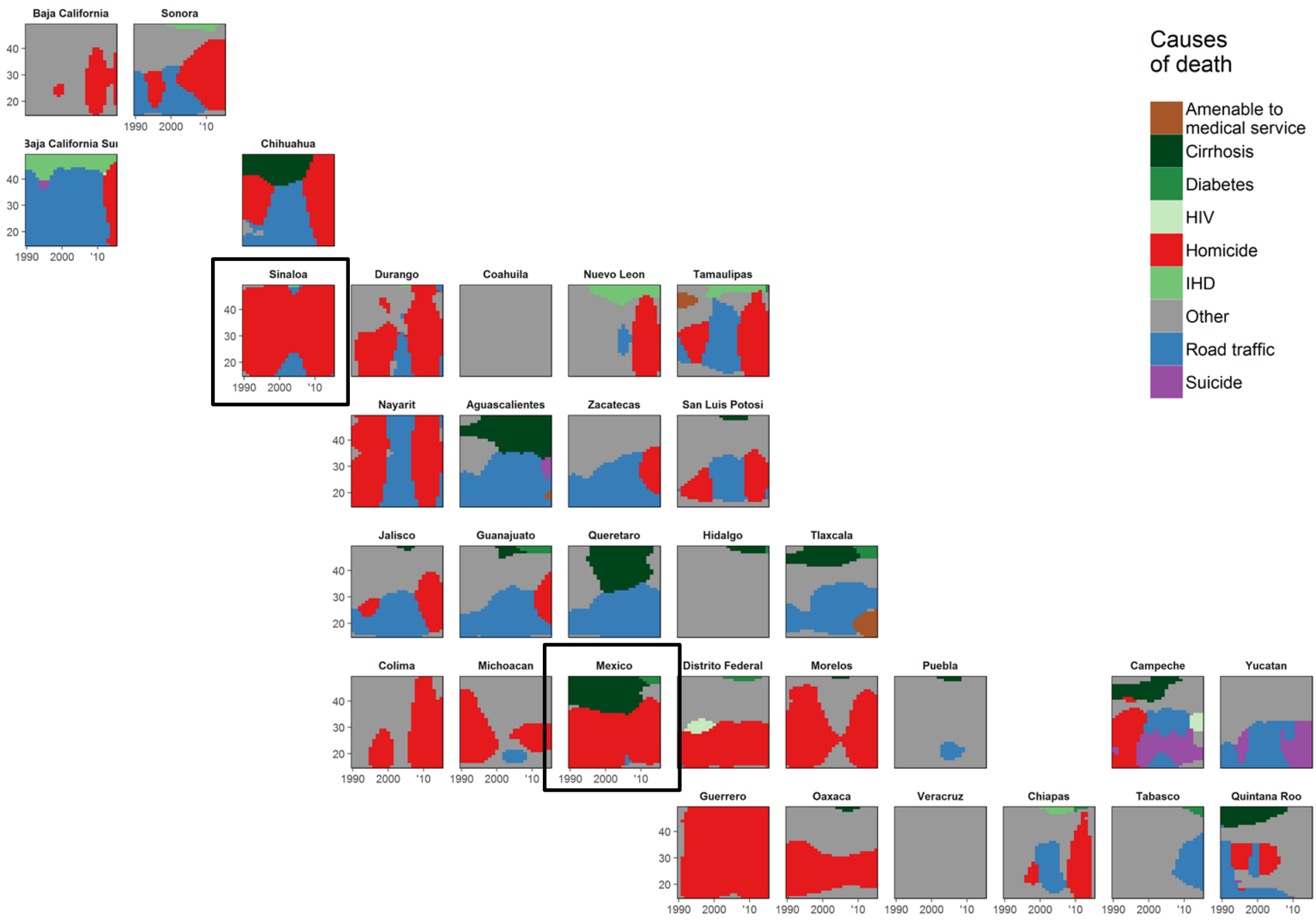
Gap between observed and best-practice life expectancy for Mexican states

Cause of death contributing the most by age (15-49) and time (1990-2015)

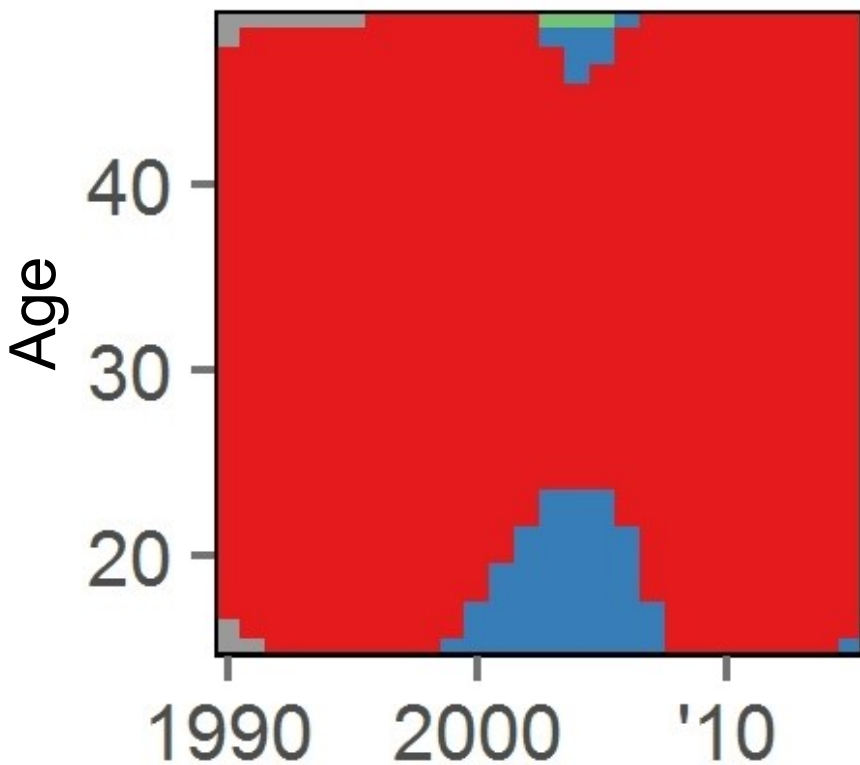


Gap between observed and best-practice life expectancy for Mexican states

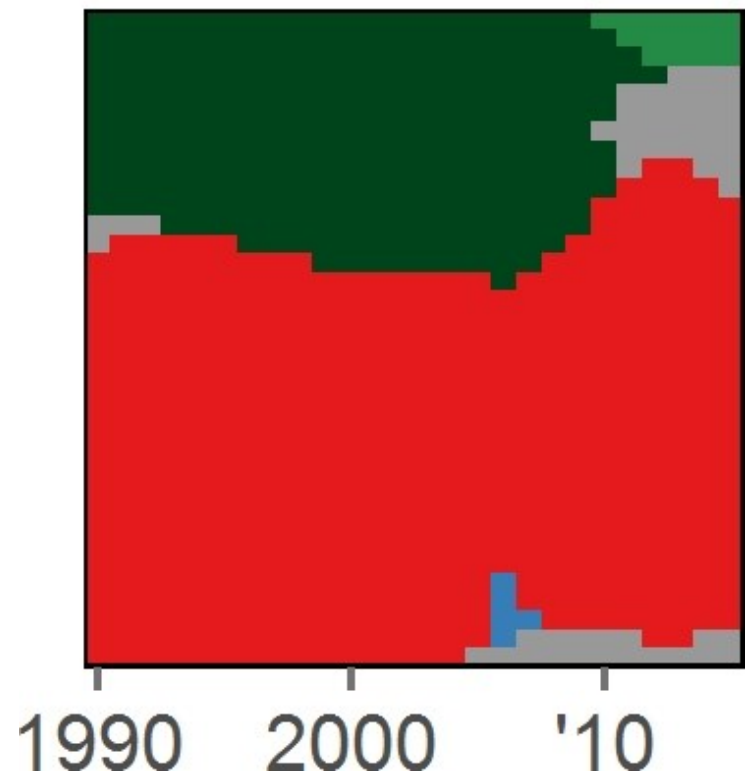
Cause of death contributing the most by age (15-49) and time (1990-2015)



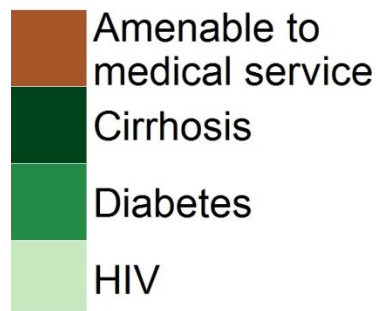
Sinaloa



Mexico

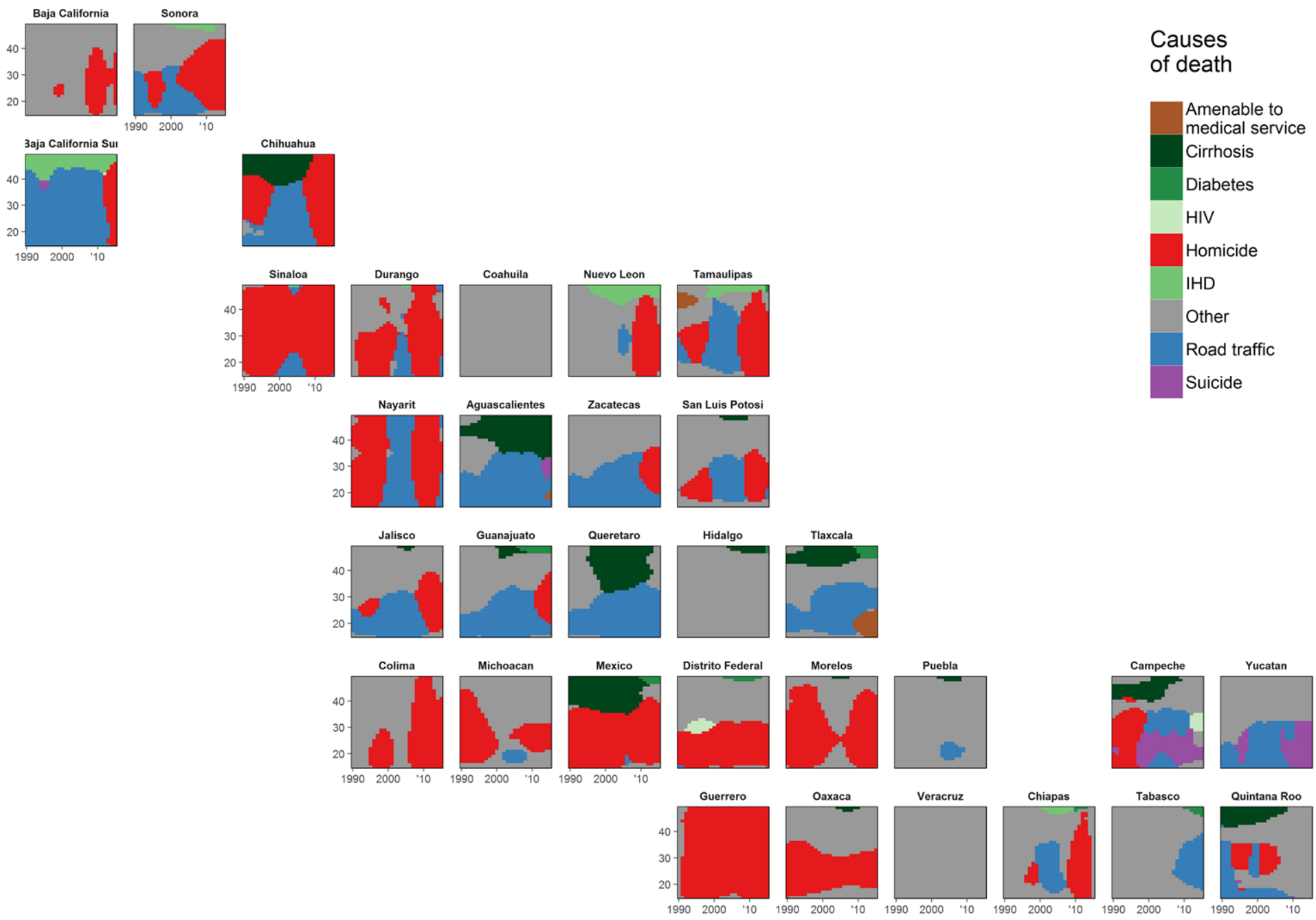


Causes
of death



Gap between observed and best-practice life expectancy for Mexican states

Cause of death contributing the most by age (15-49) and time (1990-2015)



THE WHOLE > SUM OF PARTS