Causes of Death in Various Countries and Their Trends

Project Flow

The first thing I wanted to take a look at was the total deaths and the percent difference to see the rate of change the total deaths worldwide. I planned to use this to compare to individual countries to see how they differ. With that information and the following heatmap I came up with the following questions to answer using the data:

How do China, India and the US death rates percentage differences compare to the total rates and why could this be?

What causes are the most influential to the death rates in the above 3 countries?
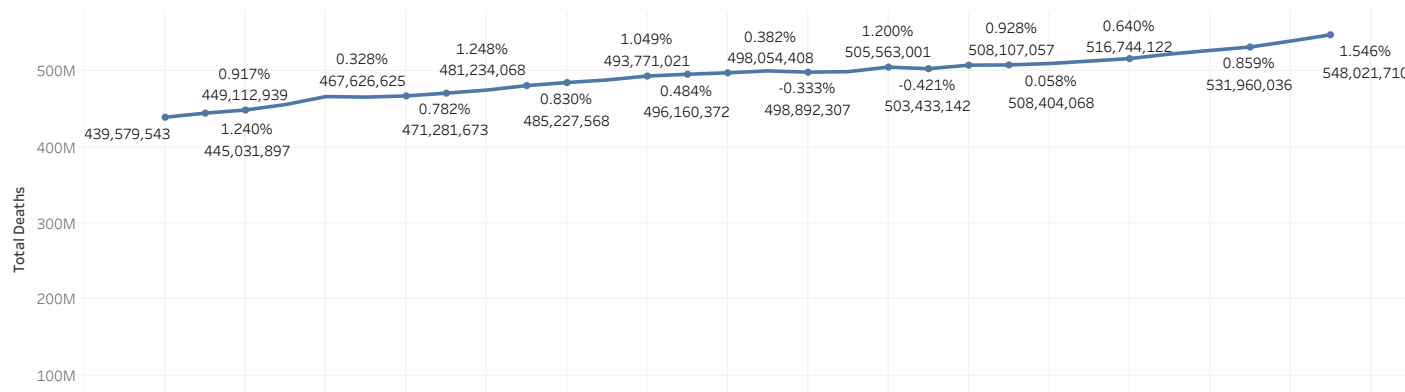
What countries buck the trend of having an increasing death rate?

How does Canada compare to the total death rates?

What are the most important causes of Canada's death rate and how do they compare to the total death rates?
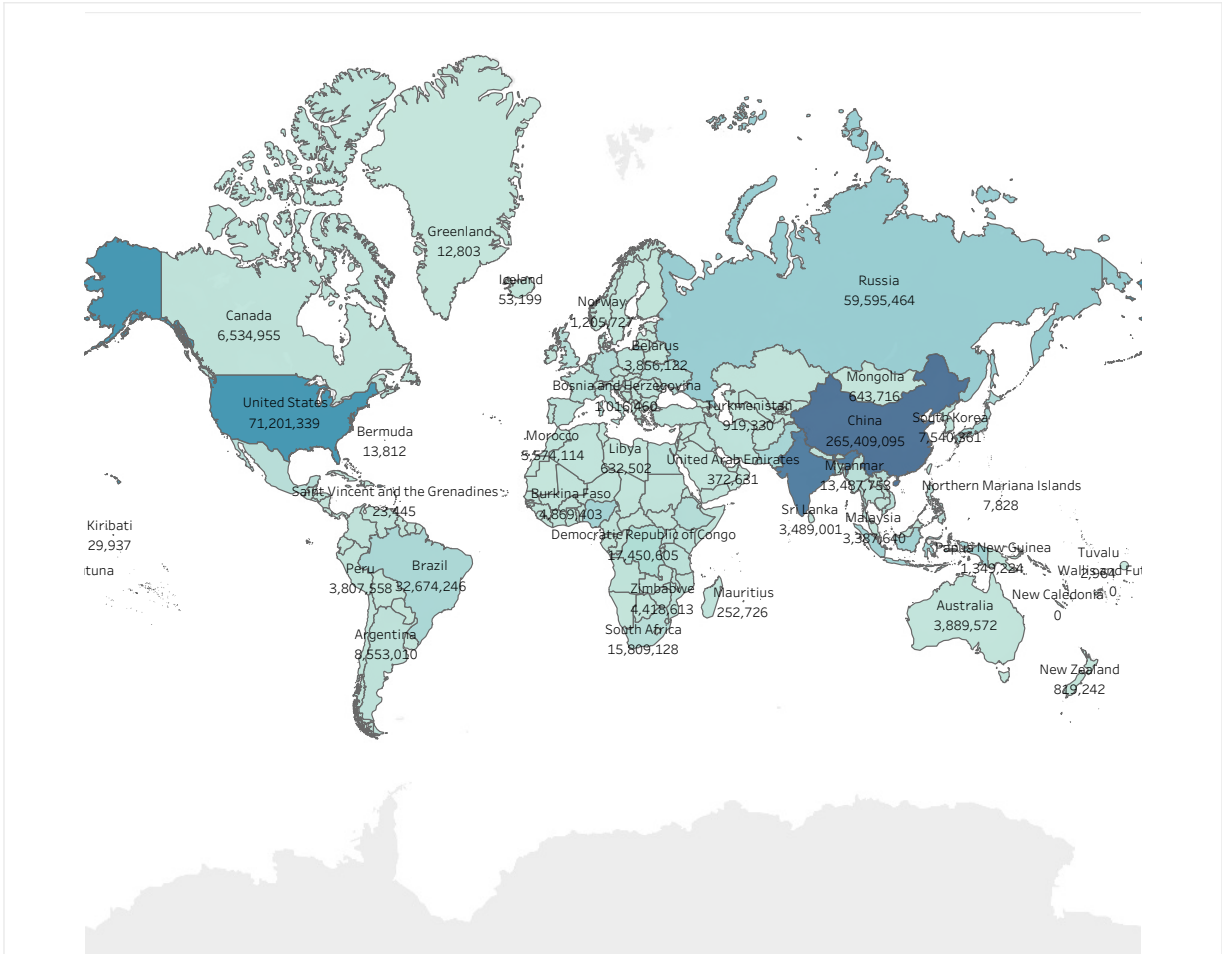
How do the death rates of cardiovascular and neoplasm related deaths look like in the future?

Total Deaths Every Year
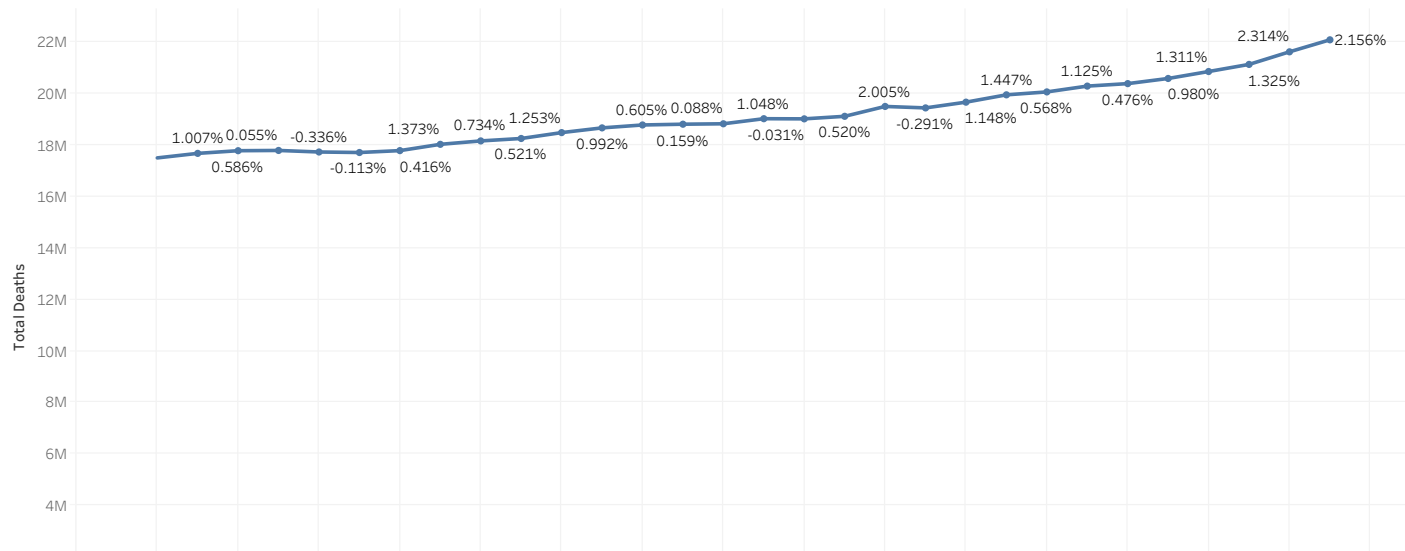
Heatmap of Death Total Over All Years

Total Deaths
0 — 265M

Greenland
12,803

Iceland
53,199

Canada
6,534,955

Norway
1,205,727

Russia
59,595,464

Belarus
3,866,182

Mongolia
643,716

United States
71,201,339

Bosnia and Herzegovina
1,019,060

Turkmenistan
919,330

China
265,409,095

South Korea
7,540,861

Bermuda
13,812

Morocco
5,574,114

Libya
632,502

United Arab Emirates
372,631

Myanmar
13,487,753

Northern Mariana Islands
7,828

Saint Vincent and the Grenadines
23,445

Burkina Faso
4,869,403

Sri Lanka
3,489,001

Malaysia
3,387,640

Kiribati
29,937

Democratic Republic of Congo
17,450,605

Panua New Guinea
1,349,224

Tuvalu

Wallis and Fut...

tuna

Peru
3,807,558

Brazil
32,674,246

Zimbabwe
4,418,613

Mauritius
252,726

New Caledonia
0

Australia
3,889,572

Argentina
8,553,010

South Africa
15,809,128

New Zealand
819,242

Death Rates in China, India and the United States

The increase in the death rates of these countries seems to be higher than the normal death rate of the total deaths per year. One of the biggest things to note is that all of these countries are increasing in population. Since the population is growing that means there are more people and therefore there should be more deaths.

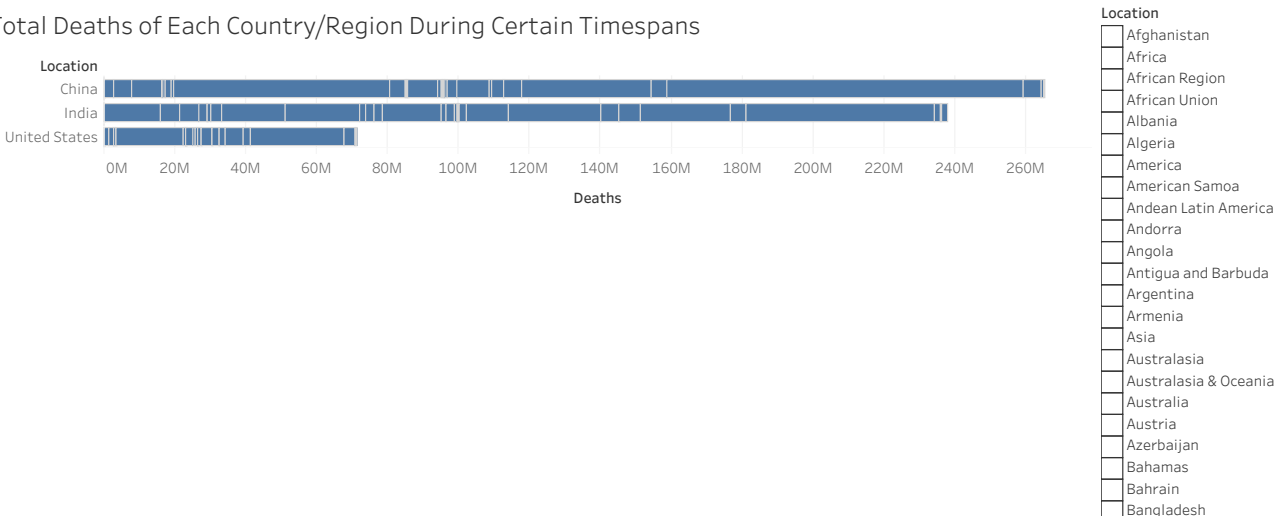### Total Deaths Each Year For China, India and the US

Makeup of Death Rates in China, India and the United States

We see that China and the United States mostly have cardiovascular and neoplasm related deaths. This could point to a couple of things:

1. Increase in pollution which is shown to lead to both of these

2. Increase in lifespan. People that live longer generally have a larger change to contract cancer
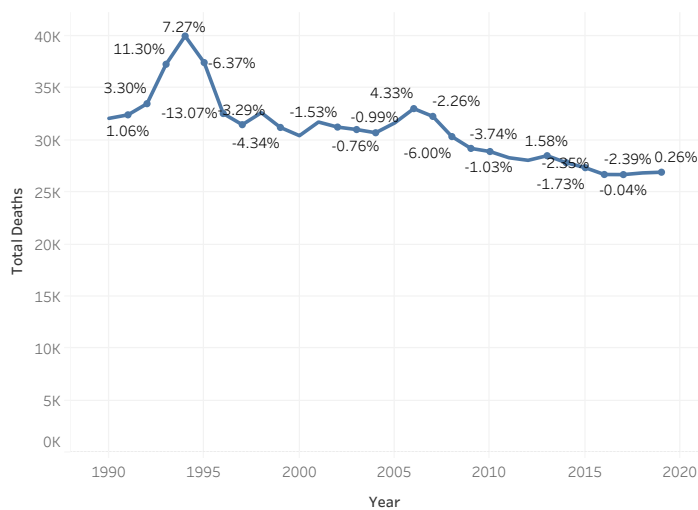
On the other hand India has a much more widespread cause of death. Since India is rated fairly solidly regarding their healthcare this is more likely due to poor access to this healthcare.

Total Deaths of Each Country/Region During Certain Timespans

Location

☐	Afghanistan
☐	Africa
☐	African Region
☐	African Union
☐	Albania
☐	Algeria
☐	America
☐	American Samoa
☐	Andean Latin America
☐	Andorra
☐	Angola
☐	Antigua and Barbuda
☐	Argentina
☐	Armenia
☐	Asia
☐	Australasia
☐	Australasia & Oceania
☐	Australia
☐	Austria
☐	Azerbaijan
☐	Bahamas
☐	Bahrain
☐	Bangladesh

Latvian Deaths Per Year

Mauritanian Deaths Per Year
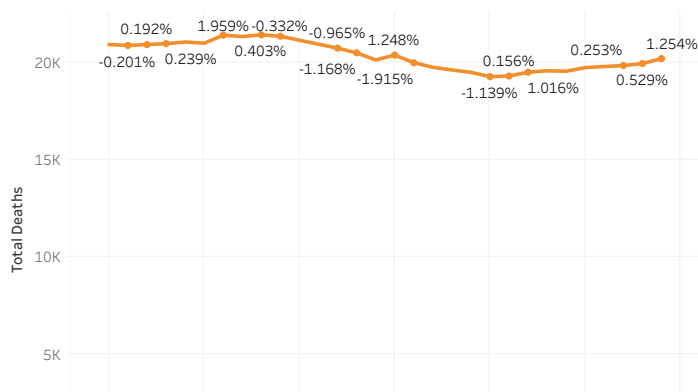

Bucking the Trend

Two countries that I found bucked the trend with regards to having increasing death rates each year are Latvia and Mauritania. These two very different countries have very different possible reasoning as to why this is.

For Latvia it has a decreasing population and just as China was going to have more deaths because of its increasing population likewise Latvia should have it decrease. Latvia as well has a strong healthcare system.
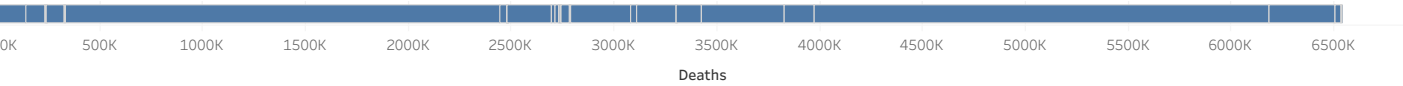
On the other hand Mauritania is a country with an increasing population. While this does eschew what we should expect on the other hand Mauritania's human development index has been increasing for the past twenty years which most likely means an increase in quality healthcare and access to said healthcare.

The sharp increase for Latvia from 1992-1994 is quite interesting as I could not find a reason for it although there was an election in 1993.
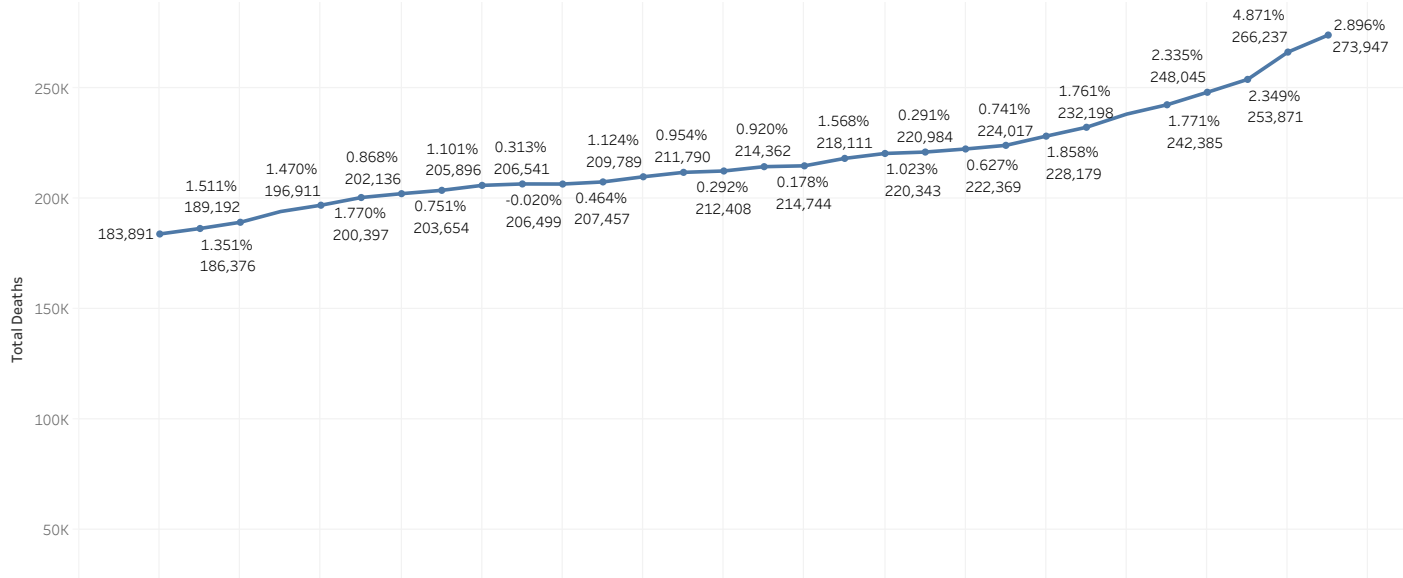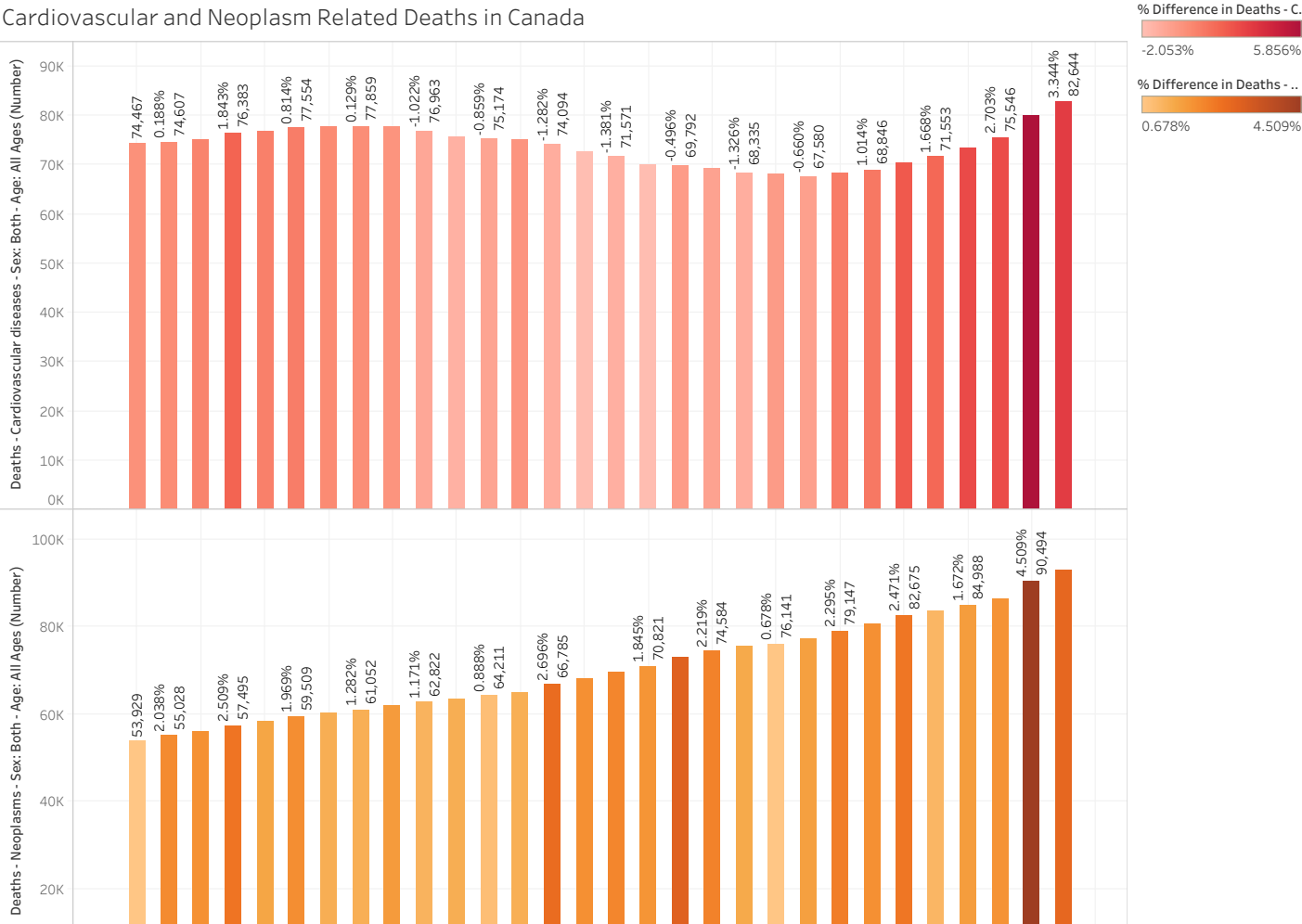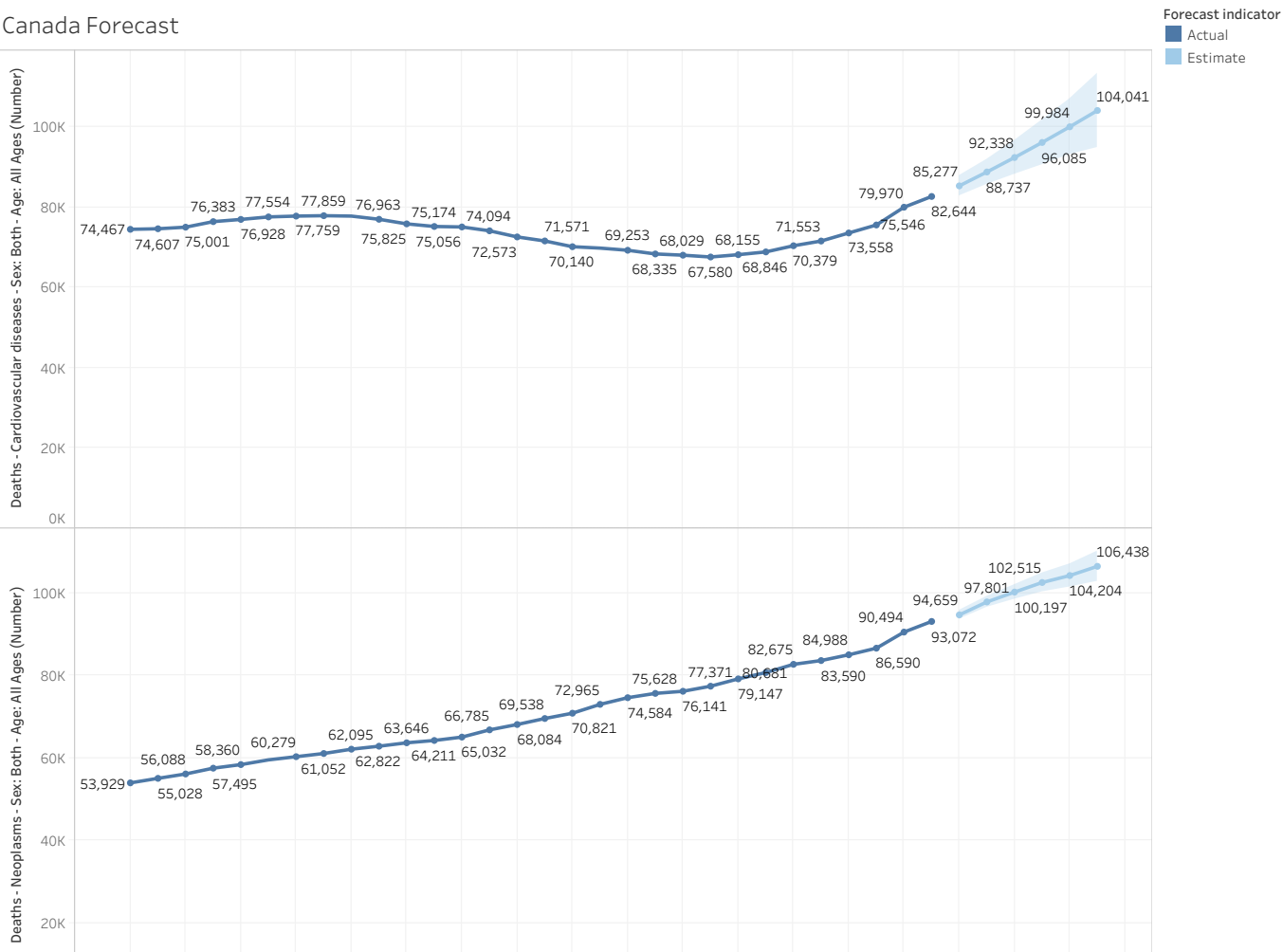
Canadian Death Causes

Deaths

Canadian Deaths Per Year

Cardiovascular and Neoplasm Related Deaths in Canada

Canada Forecast

Forecast indicator
- Actual
- Estimate

Deaths - Cardiovascular diseases - Sex: Both - Age: All Ages (Number)

74,467 · 74,607 · 75,001 · 76,383 · 76,928 · 77,554 · 77,759 · 77,859 · 76,963 · 75,825 · 75,174 · 75,056 · 74,094 · 72,573 · 71,571 · 70,140 · 69,253 · 68,335 · 68,029 · 67,580 · 68,155 · 68,846 · 71,553 · 70,379 · 73,558 · 75,546 · 79,970 · 82,644 · 85,277 · 88,737 · 92,338 · 96,085 · 99,984 · 104,041

Deaths - Neoplasms - Sex: Both - Age: All Ages (Number)

53,929 · 55,028 · 56,088 · 57,495 · 58,360 · 60,279 · 61,052 · 62,095 · 62,822 · 63,646 · 64,211 · 65,032 · 66,785 · 68,084 · 69,538 · 70,821 · 72,965 · 74,584 · 75,628 · 76,141 · 77,371 · 79,147 · 80,681 · 82,675 · 83,590 · 84,988 · 86,590 · 90,494 · 93,072 · 94,659 · 97,801 · 100,197 · 102,515 · 104,204 · 106,438

Challenges

-Tableau

Justification

The data made the most sense if you could see the amount of deaths and the change of the death rate. Therefore graphs that showcase that are preferred.

More Time

If I had more time I would do the following:
-Do more outside research to see if I could find out why Latvia had a jump in deaths for a couple of years
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