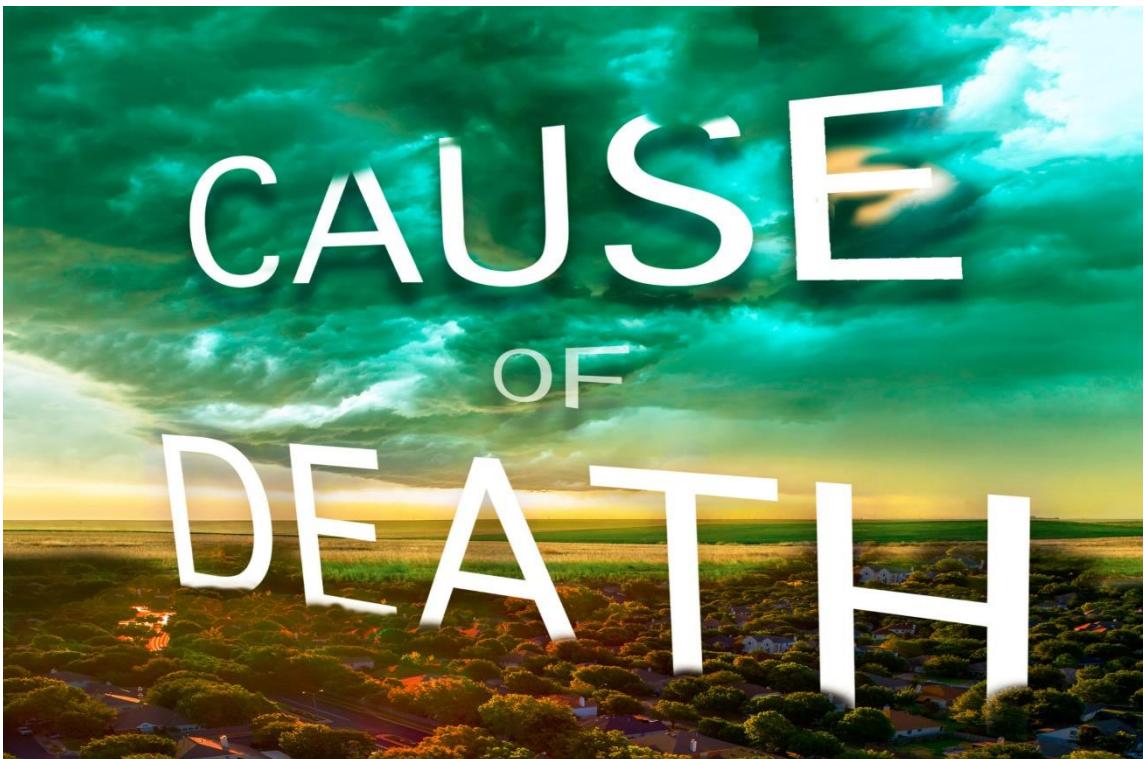


PROJECT REPORT

CAUSE OF DEATH



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## Introduction

In law, medicine, and statistics, cause of death is an official determination of conditions resulting in a human's death, which may be recorded on a death certificate. A cause of death is determined by a medical examiner. The cause of death is a specific disease or injury, in contrast to the manner of death which is a small number of categories like "natural", "accident", "suicide", and "homicide", which have different legal implications.

International Classification of Disease (ICD) codes are often used to record manner and cause of death in a systematic way that makes it easy to compile statistics and more feasible to compare events across jurisdictions.

Vital statistics generally distinguish specific injuries and diseases as cause of death, from general categories like homicide, accident, and death by natural causes as manner of death. Both are listed in this category, as are both proximal and root causes of death.

## Discussion/Context and Background

A straightforward way to assess the health status of a population is to focus on mortality – or concepts like child mortality or life expectancy, which are based on mortality estimates. A focus on mortality, however, does not take into account that the burden of diseases is not only that they kill people, but that they cause suffering to people who live with them. Assessing health outcomes by both mortality and morbidity (the prevalent diseases) provides a more encompassing view on health outcomes. This is the topic of this entry. The sum of mortality and morbidity is referred to as the 'burden of disease' and can be measured by a metric called Disability Adjusted Life Years (DALYs). DALYs are measuring lost health and are a standardized metric that allow for direct comparisons of disease burdens of different diseases across countries, between different populations, and over time. Conceptually, one DALY is the equivalent of losing one year in good health because of either premature death or disease or disability. One DALY represents one lost year of healthy life. The first 'Global Burden of Disease' (GBD) was GBD 1990 and the DALY metric was prominently featured in the World Bank's 1993 World Development Report. Today it is published by both the researchers at the Institute of Health Metrics and Evaluation (IHME) and the 'Disease Burden Unit' at the World Health Organization (WHO), which was created in 1998. The IHME continues the work that was started in the early 1990s and publishes the Global Burden of Disease study.

## Accuracy Concerns

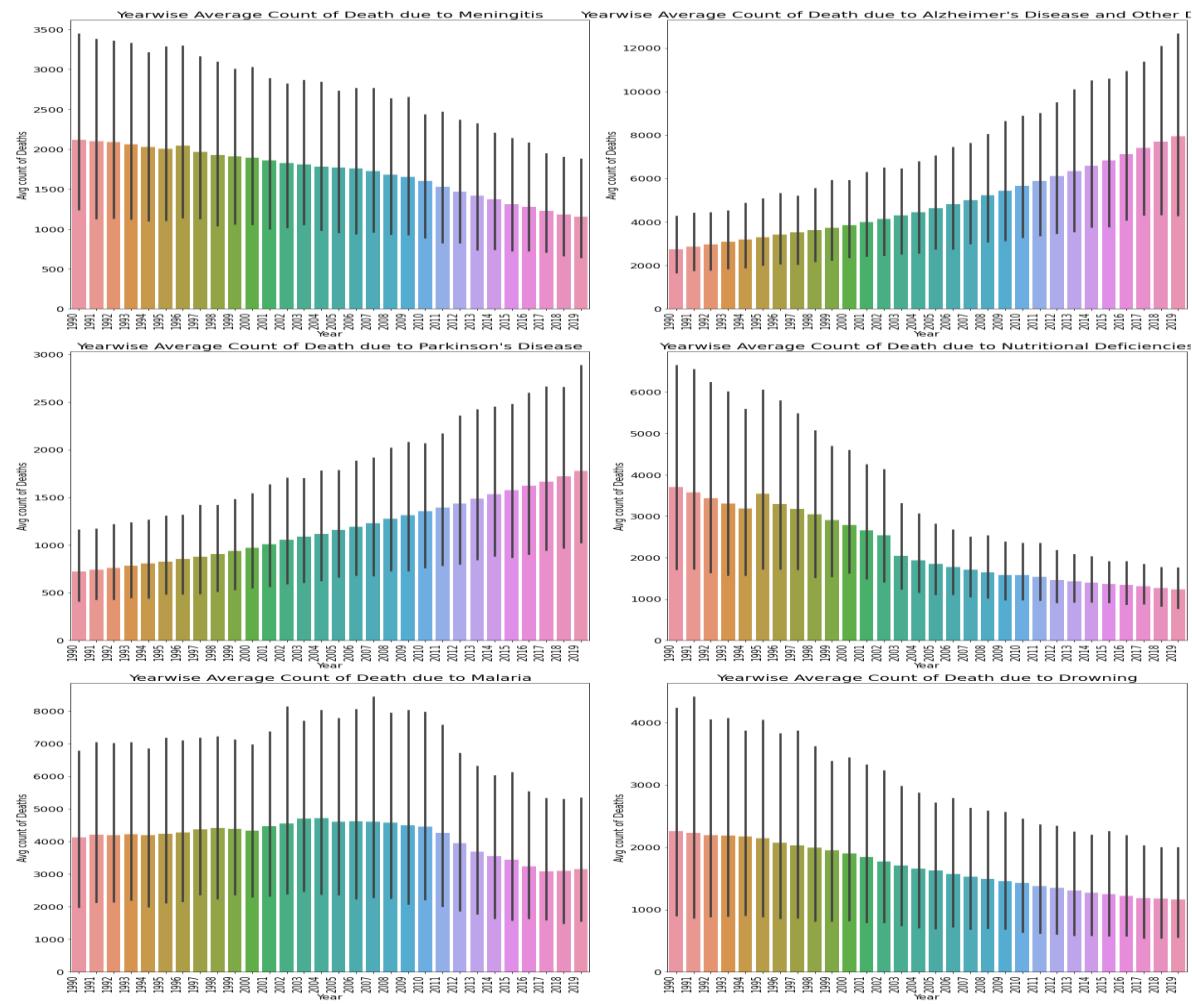
A study published in Preventing Chronic Disease found that only one-third of New York City resident physicians reported believing that the present system of documentation was accurate. Half reported the inability to record "what they felt to be the correct cause of death", citing reasons such as technical limitation and instruction to "put something else". Nearly four-fifths reported being unaware that determinations of "probable", "presumed", or "undetermined" could be made, and fewer than three percent reported ever updating a death certificate when conflicting lab results or other new information became available, and cardiovascular disease was indicated as "the most frequent diagnosis inaccurately reported".[4]

Causes of death are sometimes disputed by relatives or members of the public, particularly when some degree of uncertainty or ambiguity exists in relation to the cause of death. On occasion, such disputes may result from, or sometimes instigate, a conspiracy theory.

Public perception of the relative risk of death by various causes is biased by personal experience and by media coverage. The phrase "hierarchy of death" is sometimes used to describe the factors that cause some deaths to get more attention than others.

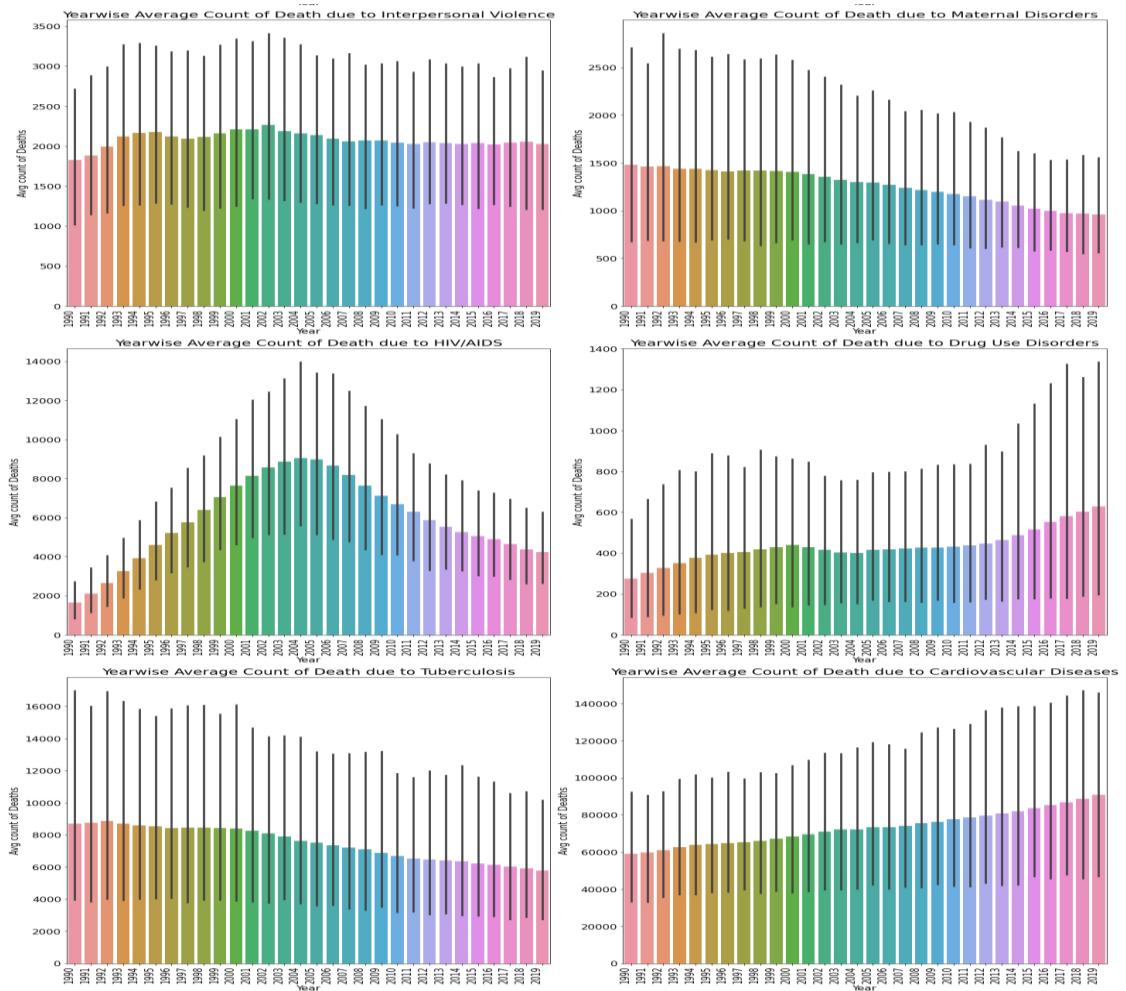
Though some opponents of abortion consider it a cause of death, conventionally medical authorities do not confer personhood on foetuses that are not viable outside the womb, and thus abortions are not reported as deaths in these statistics

## EDA – Exploratory Data Analysis



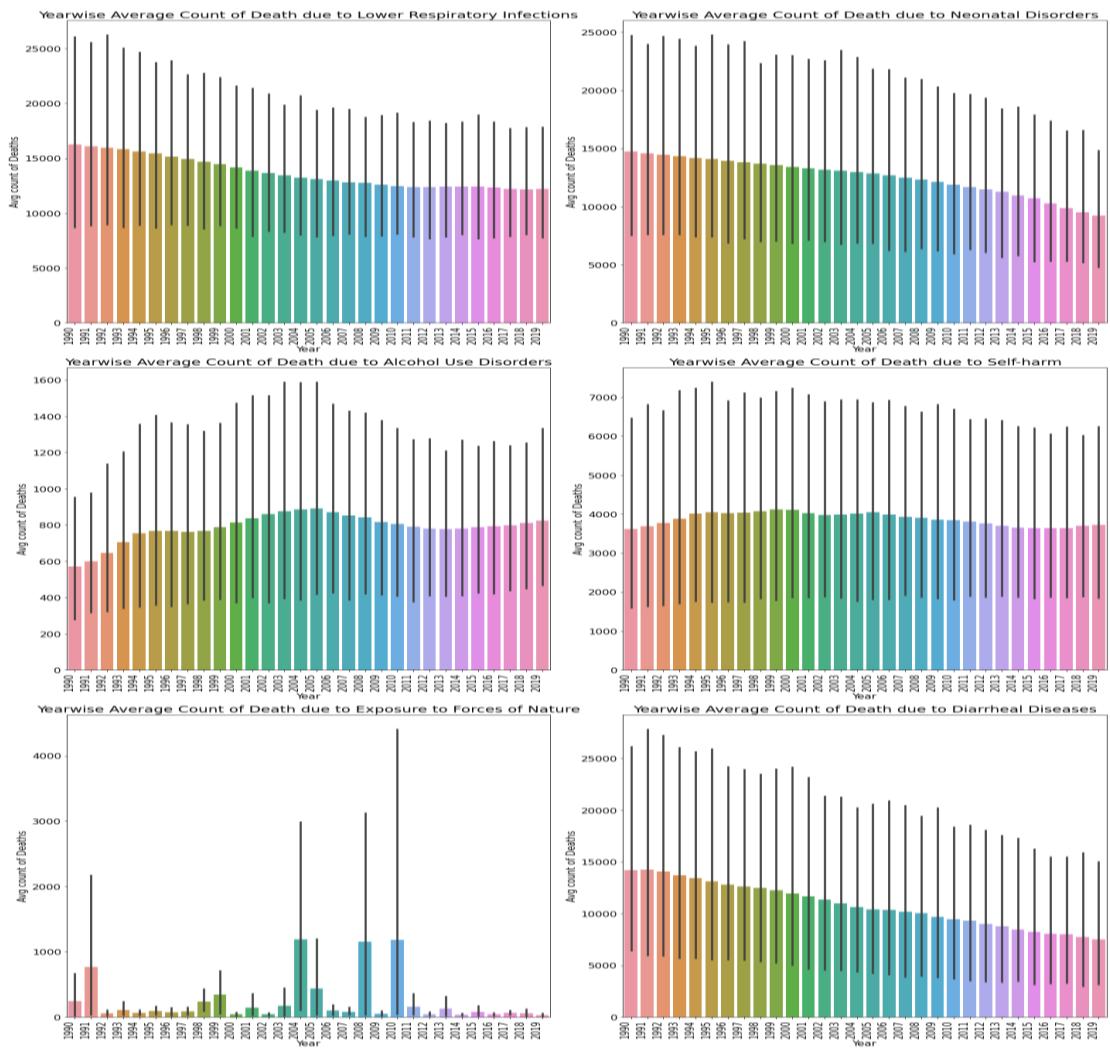
## Observations

- **Meningitis** - Number of Death due to 'Meningitis' is reducing continuously year wise, mean death count of this disease in 1990 was more than 2,000 and in 2019 it was less than 1,200.
- **Alzheimer's Disease and Other Dementias** - Deaths due to 'Alzheimer's Disease and Other Dementias' is increasing continuously year by year. Average death due to this disease in 1990 was around 2,748 and it increased to around 7,950 in 2019.
- **Parkinson's Disease**- Average count of death due to Parkinson's Disease is increasing year by year. In 1990 it is around 721 and then it increased to 1,777 in 2019.
- **Nutritional Deficiencies** - In 1990 death due to Nutritional Deficiencies is 3,709 and it reduced to 1,232 in 2019, there is continuous decrease in death number from 1990 to 2019.
- **Malaria** - The death ratio of death due to malaria was constant between 1990 – 2010, average death in these years was 4,417 and then it started reducing from 2011, in 2019 death average of all countries was 3,152.
- **Drowning** – There is continuous fall of death due to drowning, it is around 2,257 in the year 1990 and it has been reduced to 1,162 in the year 2019.



## Observations

- **Interpersonal Violence** – Between 1990 to 1994 there was increase in death, however after 1994 there was little fall and then again it kept increasing from 1999 till 2003, since then till 2019 number is decreasing. Average death in 2019 was 2030.
- **Maternal Disorders** - Average number of death due to Maternal Disorders in 1990 was 1,482 and since then there is continuous fall in count, in 2019 average death count was 962.
- **HIV/AIDS** – From year 1990 to 2004 there is continuous increase in Death Count in 1990 it was 1,647 and it increased to 9,034 in 2004, after 2004 the count is continuously decreasing, the average death count in 2019 was 4,230.
- **Drug Use Disorders** – There is continuous increase in average death count, in 1990 it was 275 and in 2019 it was 627.
- **Tuberculosis** – Average count of death due to Tuberculosis is decreasing year by year, in 1990 it was around 8,709 and it reduced to 5,780 in 2019.
- **Cardiovascular Diseases** – Death count due to cardiovascular diseases is continuously increasing, in the year 1990 it was 59,128 and it increased to 90,942 in the year 2019. The death average count is most in this disease as compare to other diseases.



### Observations

**Lower Respiratory Infections** – There is constant decrease in death count due to Lower Respiratory Infections in 1990 it was around 16,666 and in 2019 it reduced to 12,213.

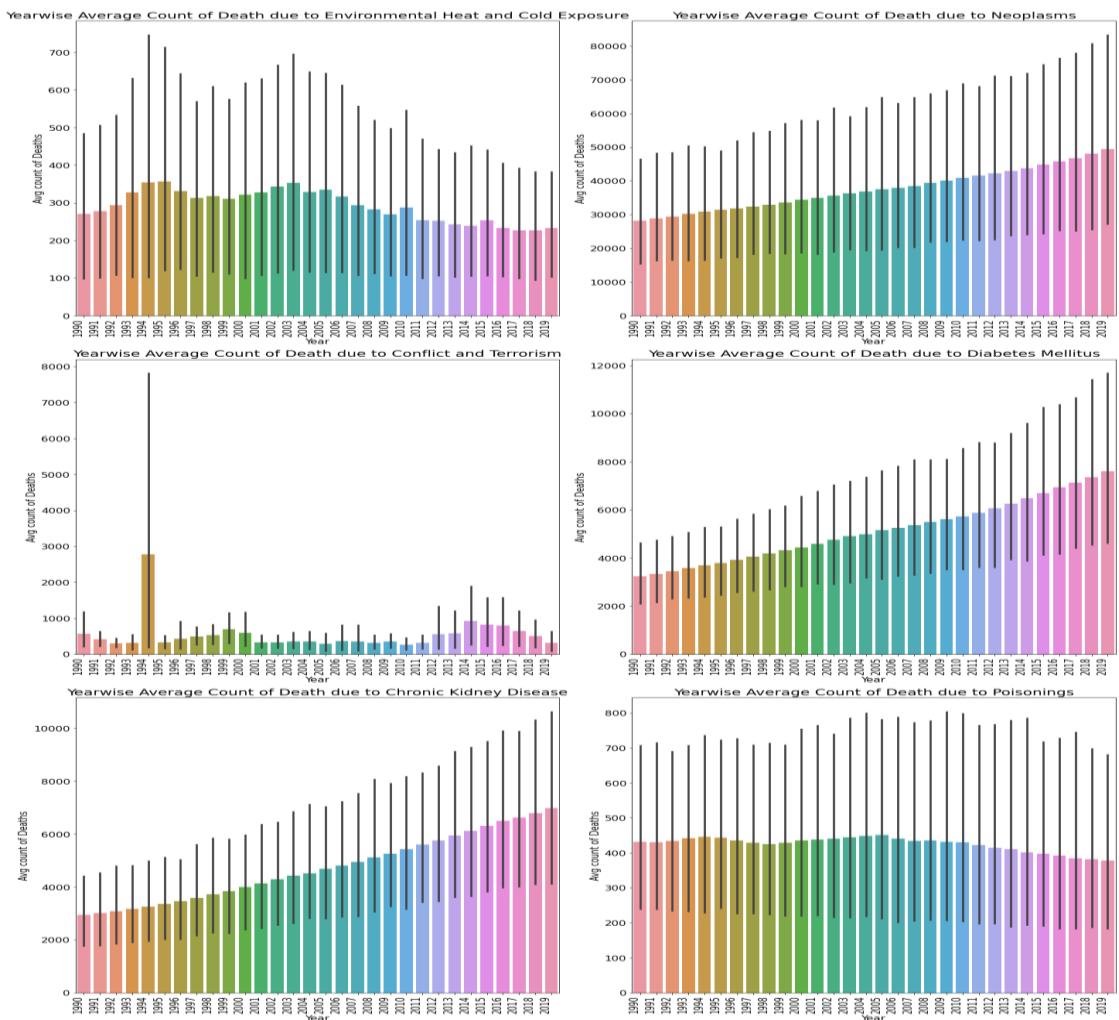
**Neonatal Disorders** – In year 1990 average death count was 14,728 and death rate is reducing, in 2019 average death count was 9,222.

**Alcohol Use Disorders** – Death count for this disease is not constant, it keeps increasing and decreasing. The average count of death in 1990 was 570 and it was 823 in 2019, while highest was in 2005 which is approx. 890.

**Self-harm** – The average count of death due to 'Self-harm' is between 3,000 to 4,000. In 1999 it was highest with average count of 4,121 per year.

**Exposure to Forces of Nature** – Average death count is mostly less than 1,000, however year 2004, 2008 and 2010 is exception to this, average death count for these years is more than 1000 where in 2004 count is maximum with average death count of 1,188.

**Diarrheal Diseases** – There is continuous fall of death count year by year, in 1990 average death count was around 14,190 and it has been reduced to 7,518 which is approximately 50%.



## Observations

**Environmental Heat and Cold Exposure** – There were ups and downs in death count between 1990 to 2004, however after 2004 there is continuous decrease in count of death number, in 1990 it was 269 after that till 2003 it became 352 and again reduced to 232 in 2019.

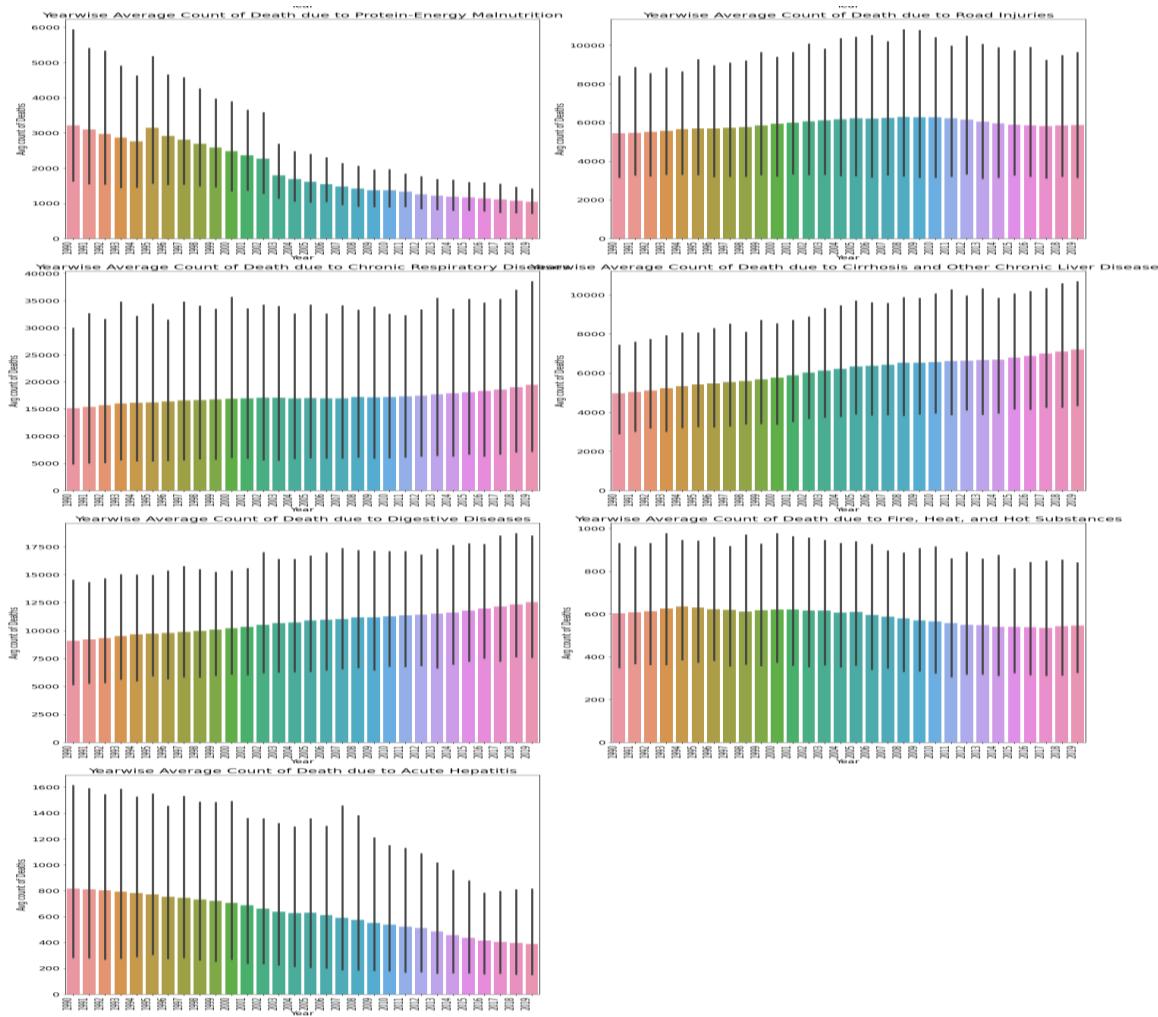
**Neoplasms** – Death count is continuously increasing; the average count of death was 28,199 in the year 1990 and it reduced to 49,383 in 2019.

**Conflict and Terrorism** – Death due to 'Conflict and Terrorism' there is not much death, the count is less than 1000 in each year except the year 1994 where average count of death was around 2,774.

**Diabetes Mellitus** – Death count is increasing year by year due to Diabetes Mellitus, death count was 3,240 in 1990 and it has increased to 7,596 in 2019.

**Chronic Kidney Disease** - There is continuous increase in death count due to this Disease, the average count of death due to this disease is the year 1990 was 2,945 and it increased to 6,991 in 2019.

**Poisonings** – The count of death due to Poisoning is fluctuating, it has increased from 1990 to 1994 then again started decreasing till 1998, then again it increased till 2005, since then there is continuous decrease in count. The average death count in 2019 was 378.



## Observations

**Protein-Energy Malnutrition** – The death count is continuously decreasing; it was increased in 1995 but since then there is continuous decrease in death count. The average count in 1990 is 3,215 and in 2019 it is 1,039.

**Road Injuries** – Count of death is increasing a bit each year till 2009, after that the count is decreasing. Average death count in 2009 is 6,282 and it is 5,870 in 2019.

**Chronic Respiratory Diseases** - The death count is increasing every year, count of death in 1990 was 15,160 and in 2019 is 19,473.

**Cirrhosis and Other Chronic Liver Diseases** – Count of death is increasing constantly, the average count of death in 1990 was 4,962 and in 2019 it was 7,211.

**Digestive Diseases** – The average count of death is increasing continuously, the count of death in 1990 was 9,090 and in year 2019 it was around 12,530.

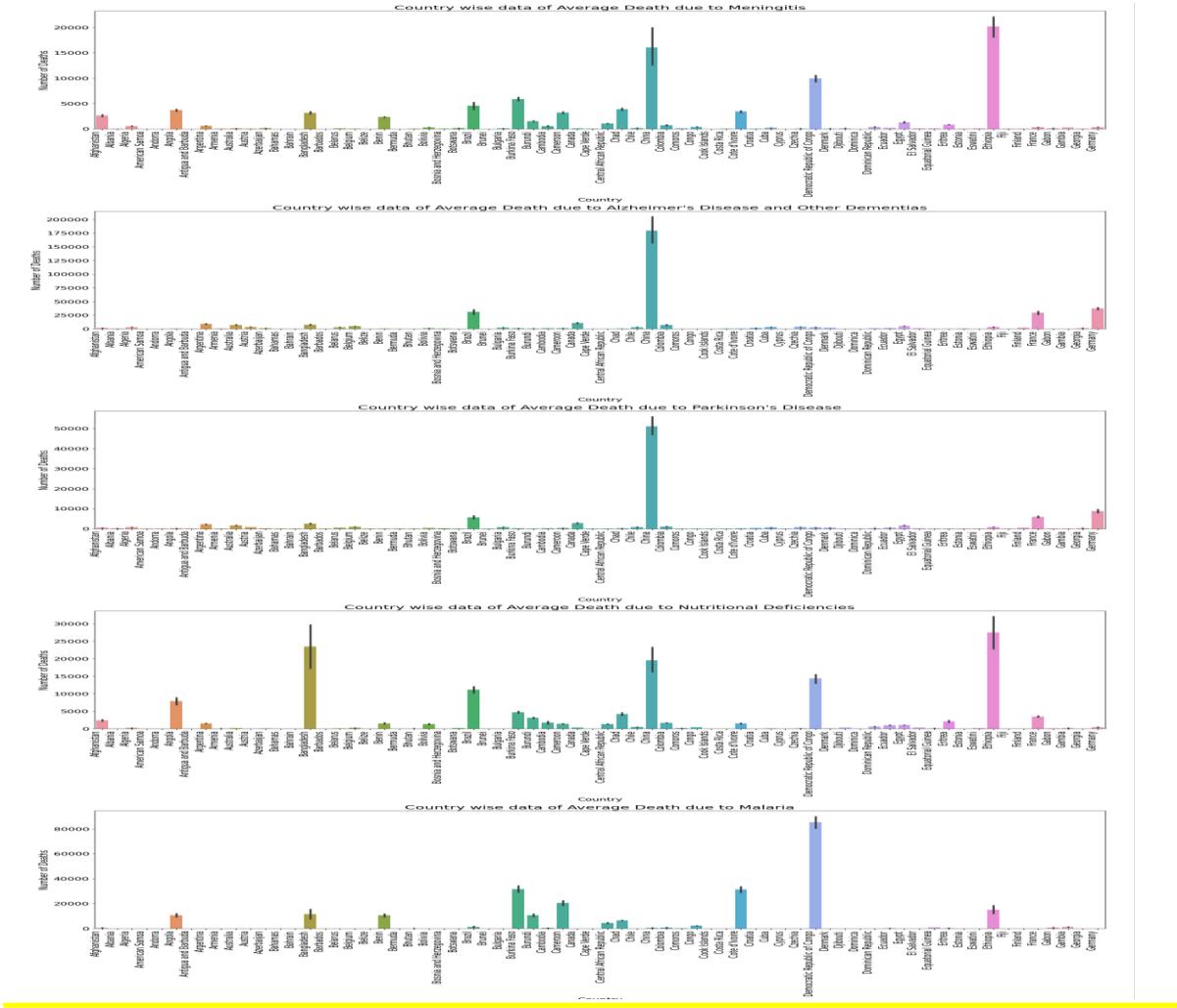
**Fire, Heat, and Hot Substances** – The average count of death in each year is nearly 600, however there is some change from 2007 the number is decreasing continuously.

**Acute Hepatitis**– The average count of death due to Acute Hepatitis is decreasing constantly, in the year 1990 it was around 815 and it came down to 387 in the year 2019.

## Country wise data of Average Death

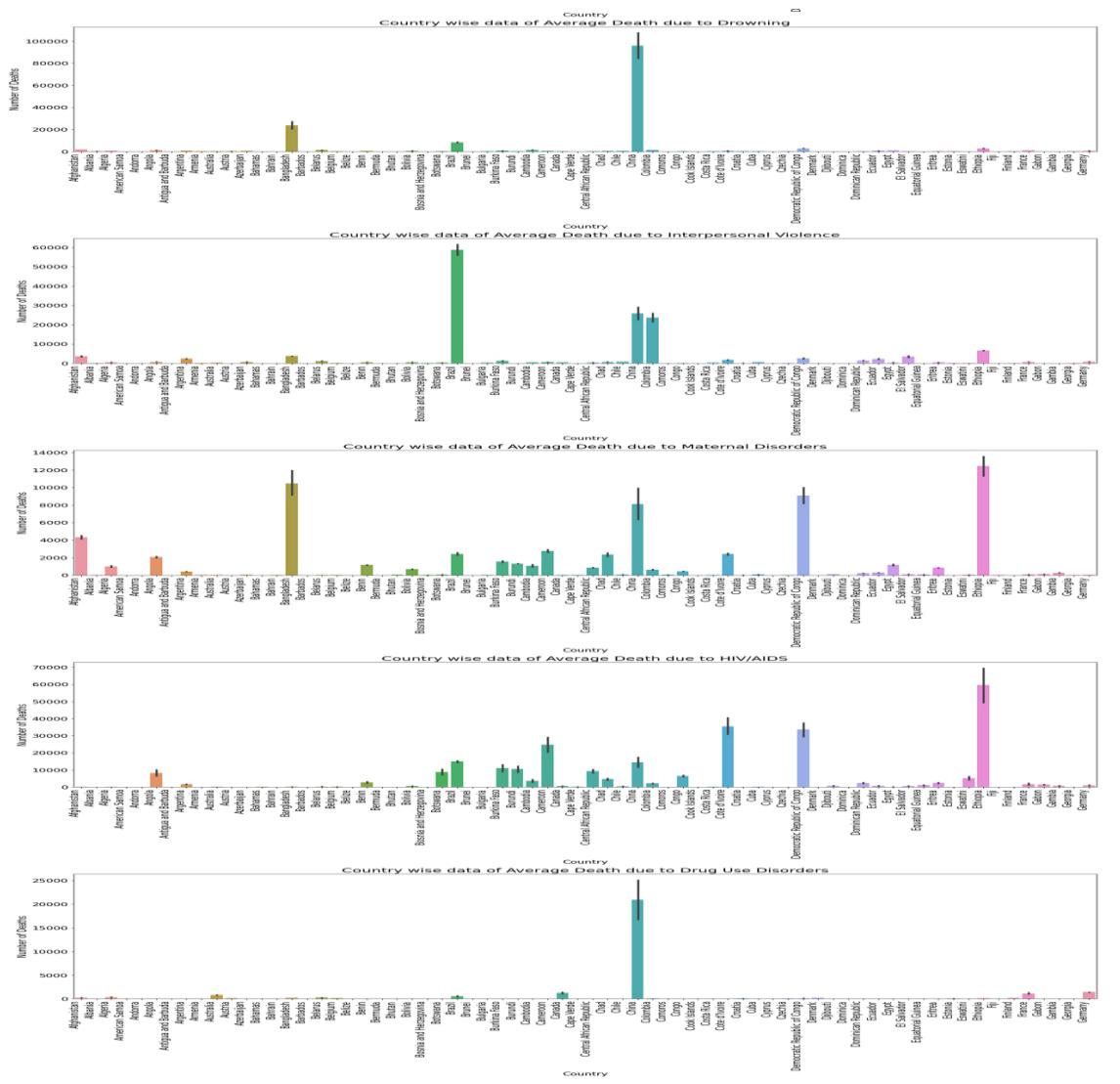
We have further divided 204 countries in 3 parts of 68 each, 1st part consists of below countries.

Afghanistan, Albania, Algeria, American Samoa, Andorra, Angola, Antigua and Barbuda, Argentina, Armenia, Australia, Austria, Azerbaijan, Bahamas, Bahrain, Bangladesh, Barbados, Belarus, Belgium, Belize, Benin, Bermuda, Bhutan, Bolivia, Bosnia and Herzegovina, Botswana, Brazil, Brunei, Bulgaria, Burkina Faso, Burundi, Cambodia, Cameroon, Canada, Cape Verde, Central African Republic, Chad, Chile, China, Colombia, Comoros, Congo, Cook Islands, Costa Rica, Cote d'Ivoire, Croatia, Cuba, Cyprus, Czechia, Democratic Republic of Congo, Denmark, Djibouti, Dominica, Dominican Republic, Ecuador, Egypt, El Salvador, Equatorial Guinea, Eritrea, Estonia, Eswatini, Ethiopia, Fiji, Finland, France, Gabon, Gambia, Georgia and Germany.



## Observations

1. 'Meningitis' – Among above mentioned countries Ethiopia has the largest number of deaths (20,175) due to Meningitis, followed by China.
2. 'Alzheimer's Disease and Other Dementias' – China has largest count of death due to Alzheimer's Disease and Other Dementias; it was way more as compare to other above-mentioned countries.
3. 'Parkinson's Disease' – Again China has largest count of death due to this disease; the count of death is way more as compare to other countries. (AVG (all years) - 51,103)
4. 'Nutritional Deficiencies' -Ethiopia has largest count of death due to Nutritional Deficiencies, the average count of death is 27,438.
5. 'Malaria' – Due to Malaria, average count of death is most in Democratic Republic of Congo the average count of death year wise is 85,240.



## Observations

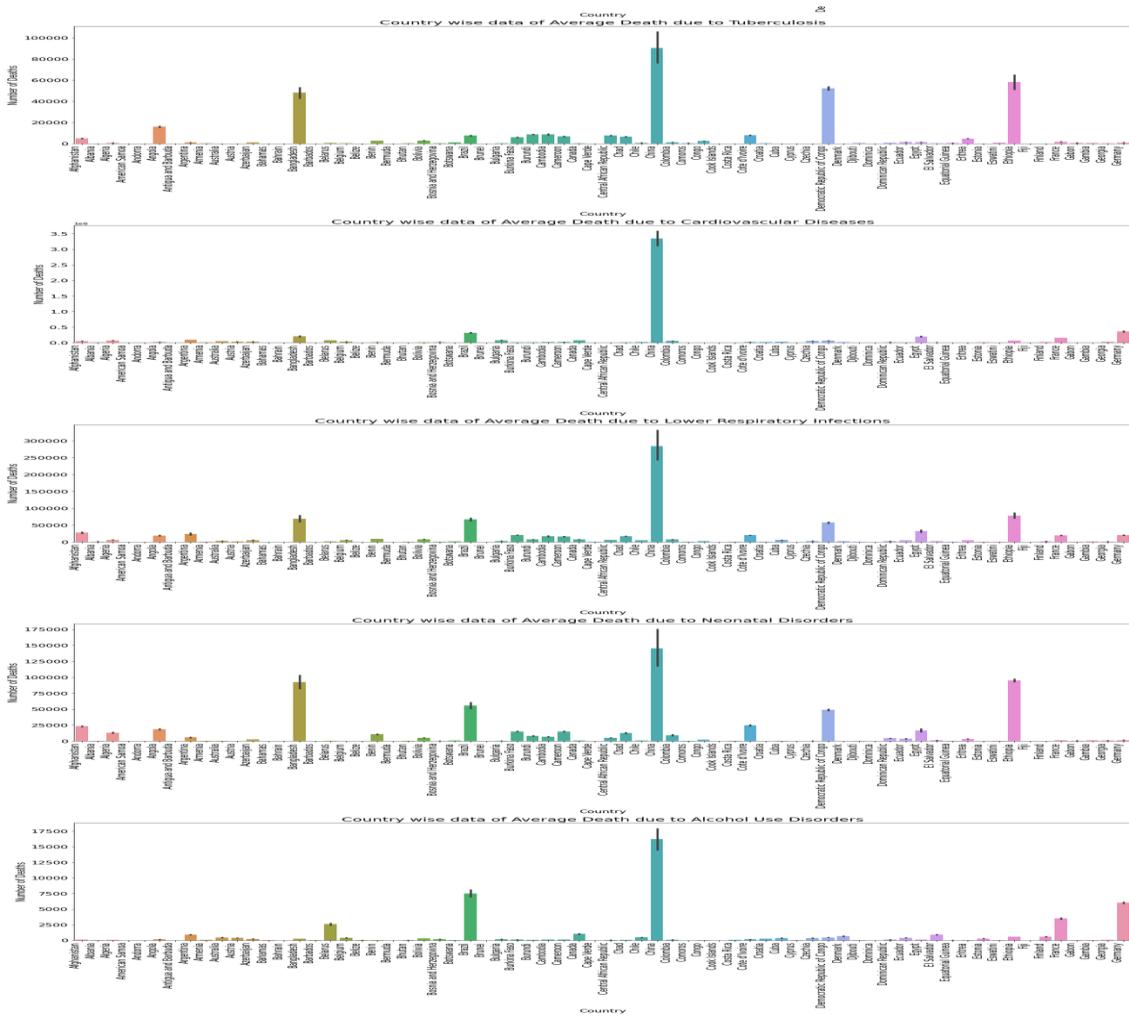
6. 'Drowning' – China has the greatest number of death due to Drowning, while other countries have way more less count than China, the average count of death is 95,787.

7. 'Interpersonal Violence' – Brazil has the greatest number of deaths due to Interpersonal Violence; the average death count of all years together is 58,765.

8. 'Maternal Disorders' – Among above countries Ethiopia has highest number of average death count of all years (12,457) followed by Bangladesh with average death count of (10,467)

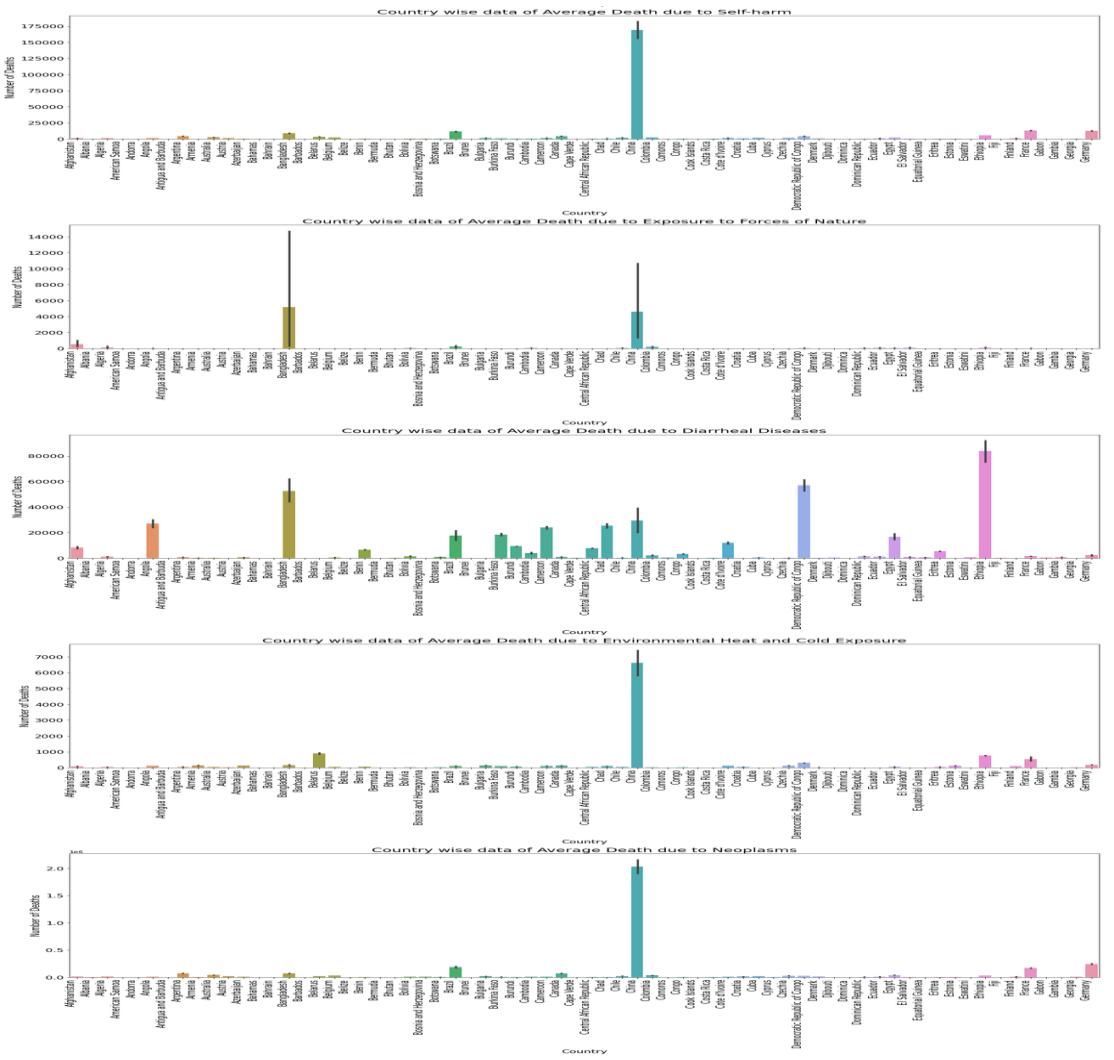
9. 'HIV/AIDS' – Again amount above mentioned countries Ethiopia has highest number of death count. The average death count is (59,614)

10. 'Drug Use Disorders' – China amount above mentioned countries have highest count of death due to Drug Use Disorders, the average count of death is 20,897.



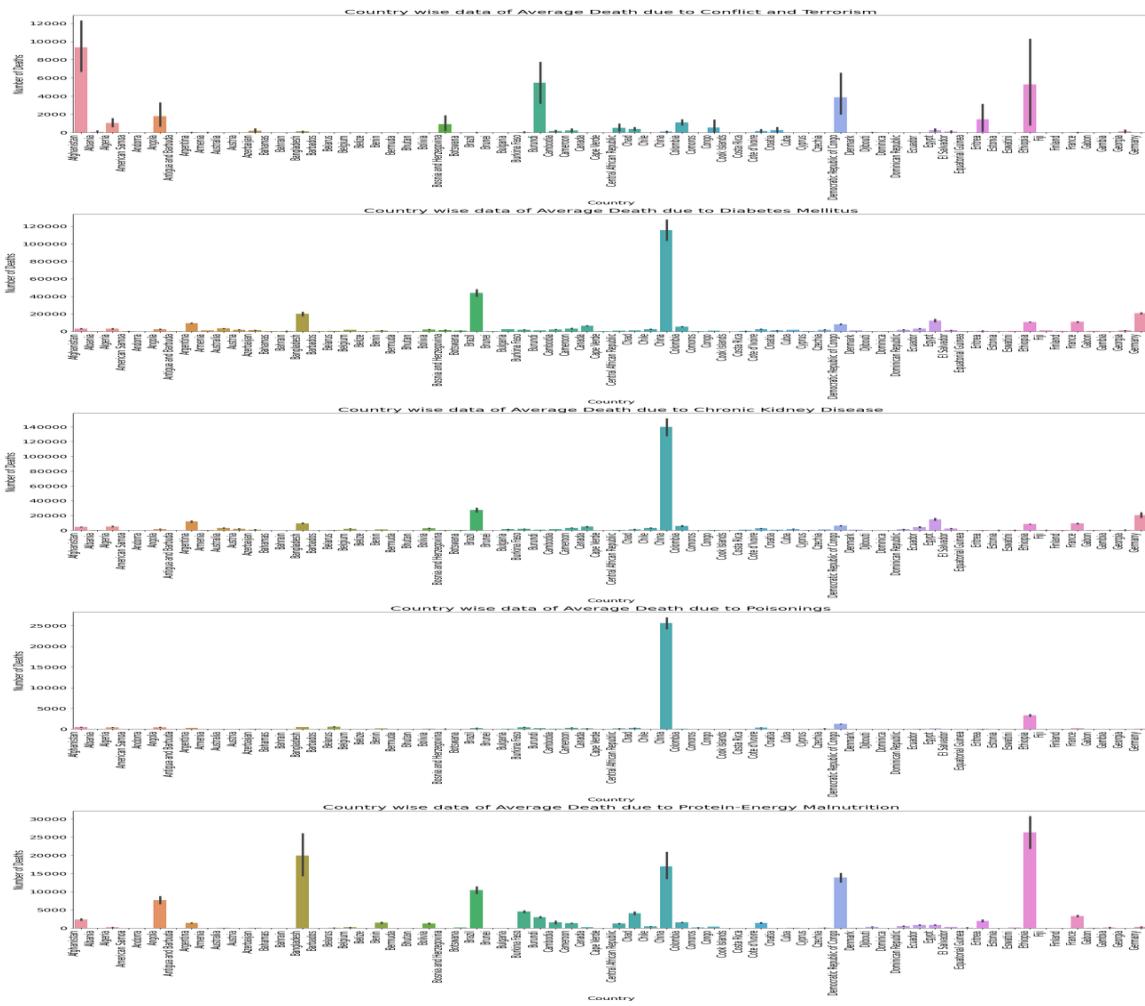
### Observations

11. 'Tuberculosis' – China have registered the greatest number of deaths due to Tuberculosis; the average count of death is 90,282.
12. 'cardiovascular diseases' – China have registered highest number of deaths count due to cardiovascular diseases, the count is most as compare to other above-mentioned countries, also the death due to these diseases is most as compare to other causes of death. The average count of death is 3,35,0199.
13. 'Lower Respiratory Infections' – China has the greatest number of deaths by Lower Respiratory Infections, the average count is 2,84,193.
14. 'Neonatal Disorders' – Again China has the greatest number of deaths due to Neonatal Disorders followed by Bangladesh with average count of 1,45,122 and 92,412 respectively.
15. 'Alcohol Use Disorders' – China have recorded highest number of deaths in above mentioned countries due to Alcohol, followed by Brazil and Germany respectively.



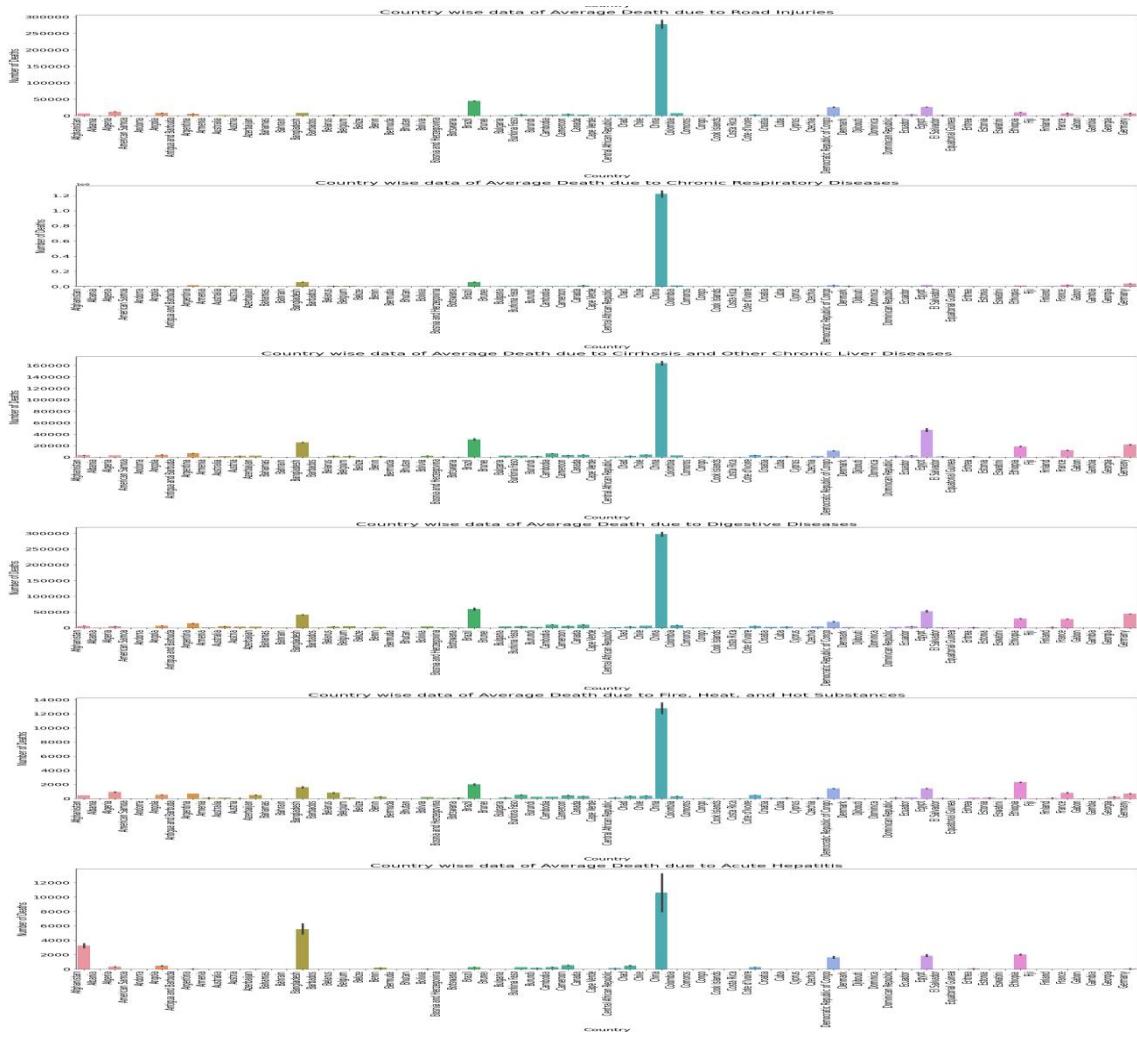
### Observations

16. 'Self-harm' – In China Death due to Self-harm is most as compare to above mentioned countries, also no country is even close to China with the death count. The average death count is 1,69,285.
17. 'Exposure to Forces of Nature' – Here Bangladesh have recorded highest number of average counts of death, the average count of death for each year is 5,166.
18. 'Diarrheal Diseases' – Ethiopia have registered highest number of death due to Diarrheal Diseases; the average death count is 83,819 it is followed by Democratic Republic of Congo who average death count is 57,122.
19. 'Environmental Heat and Cold Exposure' – China has highest count of death due to Environmental Heat and Cold Exposure; the average count of death is around 6,619.
20. 'Neoplasms' – Among above countries China have highest average count of death due to Neoplasms. The average count is 20,35350 which is more than 2 million.



## Observations

21. 'Conflict and Terrorism' – Afghanistan have highest count among above mentioned countries due to Conflict and Terrorism, the average count of death for years is 9,350.
22. 'Diabetes Mellitus' – Average number of death due to Diabetes Mellitus is most in China. The average count is 1,15,618, followed by Brazil with average count of 43,858.
23. 'chronic kidney disease' – Again China have the greatest number of death due to chronic kidney disease; the average death count is 1,39,842.
24. 'Poisonings' – 25,671 is the average count of death due to poisonings in China which is most as compared to above mentioned countries.
25. 'Protein-Energy Malnutrition' – Countries Ethiopia has highest number of death due to Protein-Energy Malnutrition followed by Bangladesh and China; the average count is 26,324, 19,967, 16,922 respectively.



### Observations

26. 'Road Injuries' – China have recorded the greatest number of deaths due to Road Injuries; the average count is 2,78,346.

27. 'Chronic Respiratory Diseases' – The highest count of average death due to Chronic Respiratory Diseases is from China with average count of 12,22,560.

28. 'Cirrhosis and Other Chronic Liver Diseases' – China has highest number of deaths due to Cirrhosis and other chronic liver diseases.

29. 'Digestive Diseases' – China has highest number of deaths due to Digestive Diseases followed by Egypt and Brazil.

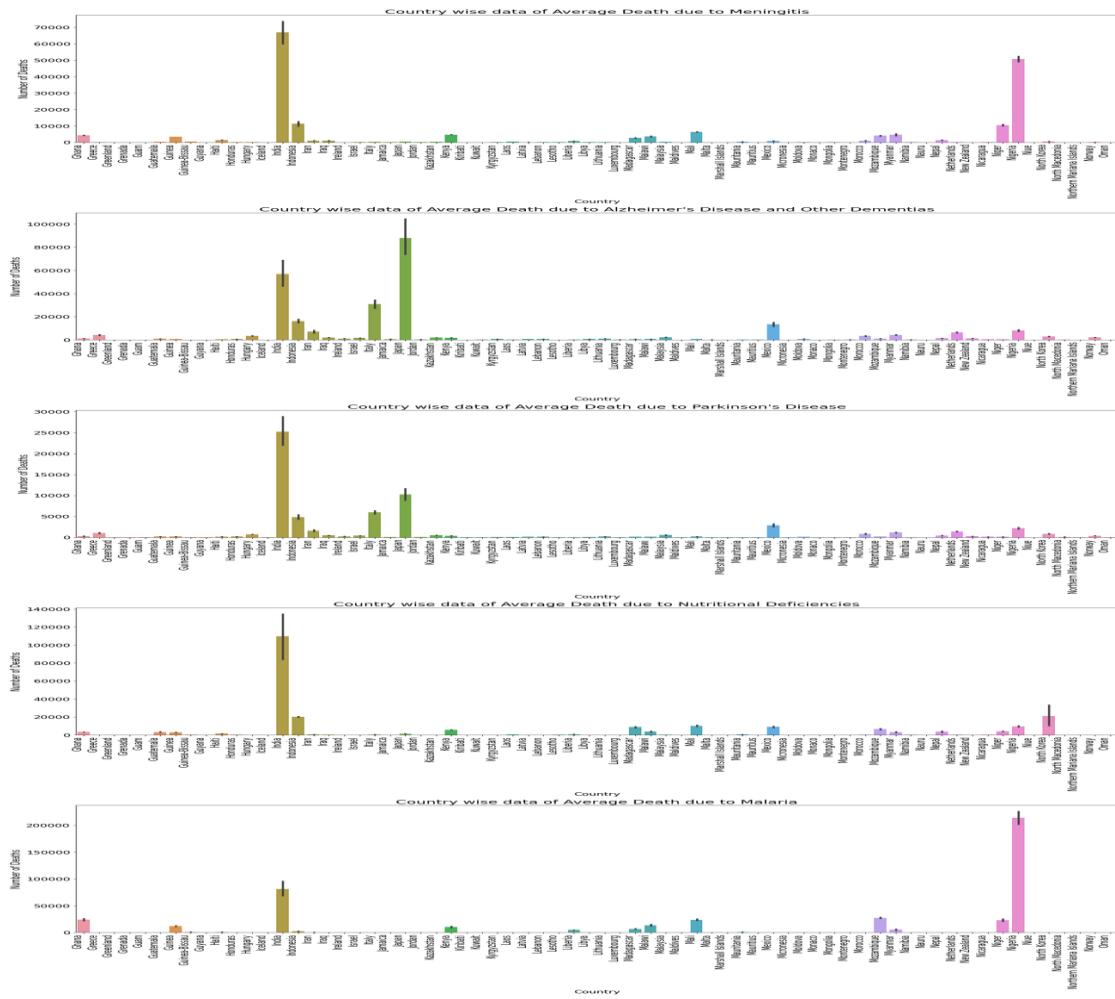
30. 'Fire, Heat, and Hot Substances' – Again China have the greatest number of average deaths count due to this.

31. 'Acute Hepatitis' – China has highest count of death due to acute hepatitis followed by Bangladesh for above mentioned countries.

## Country wise data of Average Death

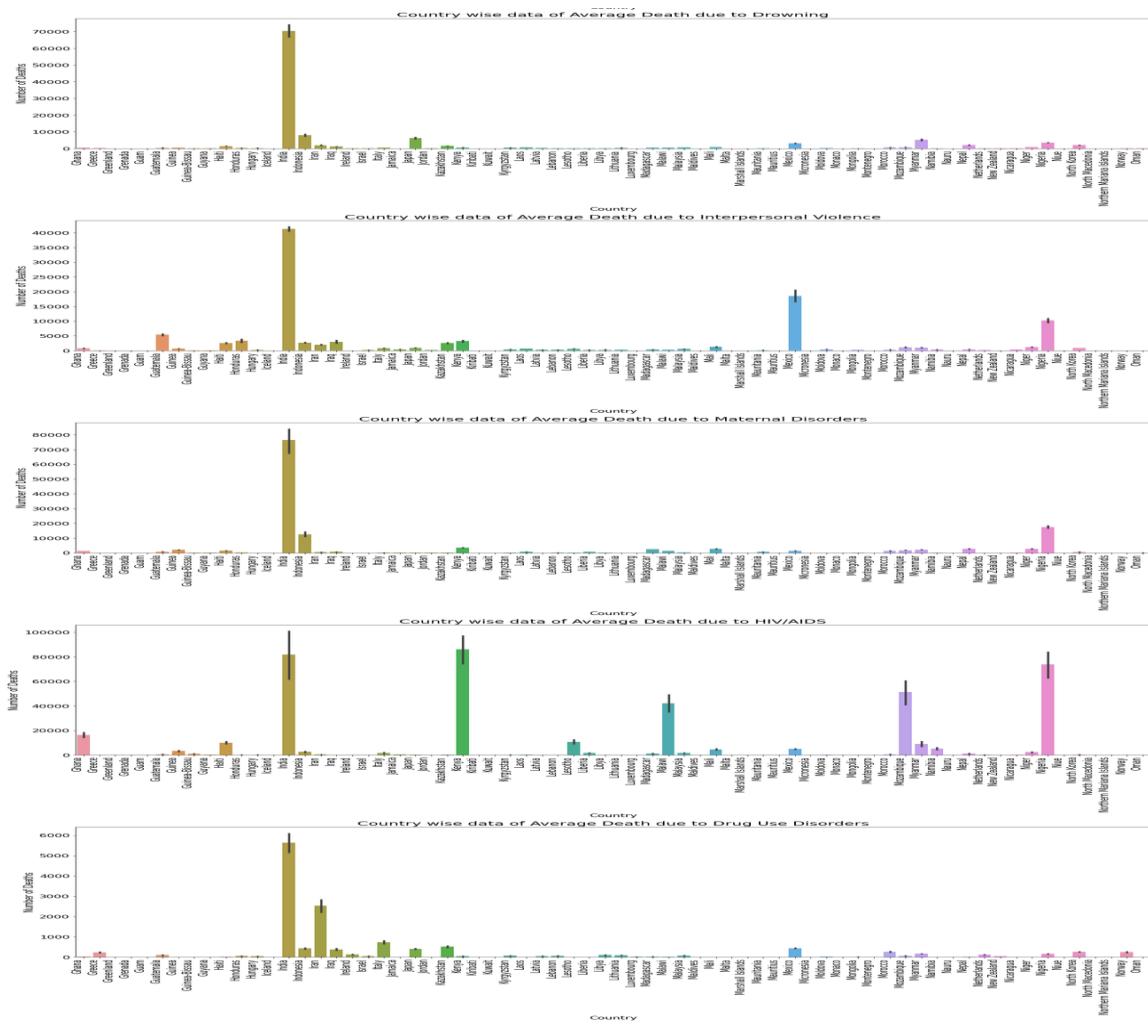
We have further divided 204 countries in 3 parts of 68 each, 2nd part consists of below countries.

Ghana, Greece, Greenland, Grenada, Guam, Guatemala, Guinea, Guinea-Bissau, Guyana, Haiti, Honduras, Hungary, Iceland, India, Indonesia, Iran, Iraq, Ireland, Israel, Italy, Jamaica, Japan, Jordan, Kazakhstan, Kenya, Kiribati, Kuwait, Kyrgyzstan, Laos, Latvia, Lebanon, Lesotho, Liberia, Libya, Lithuania, Luxembourg, Madagascar, Malawi, Malaysia, Maldives, Mali, Malta, Marshall Islands, Mauritania, Mauritius, Mexico, Micronesia, Moldova, Monaco, Mongolia, Montenegro, Morocco, Mozambique, Myanmar, Namibia, Nauru, Nepal, Netherlands, New Zealand, Nicaragua, Niger, Nigeria, Niue, North Korea, North Macedonia, Northern Mariana Islands, Norway and Oman.¶



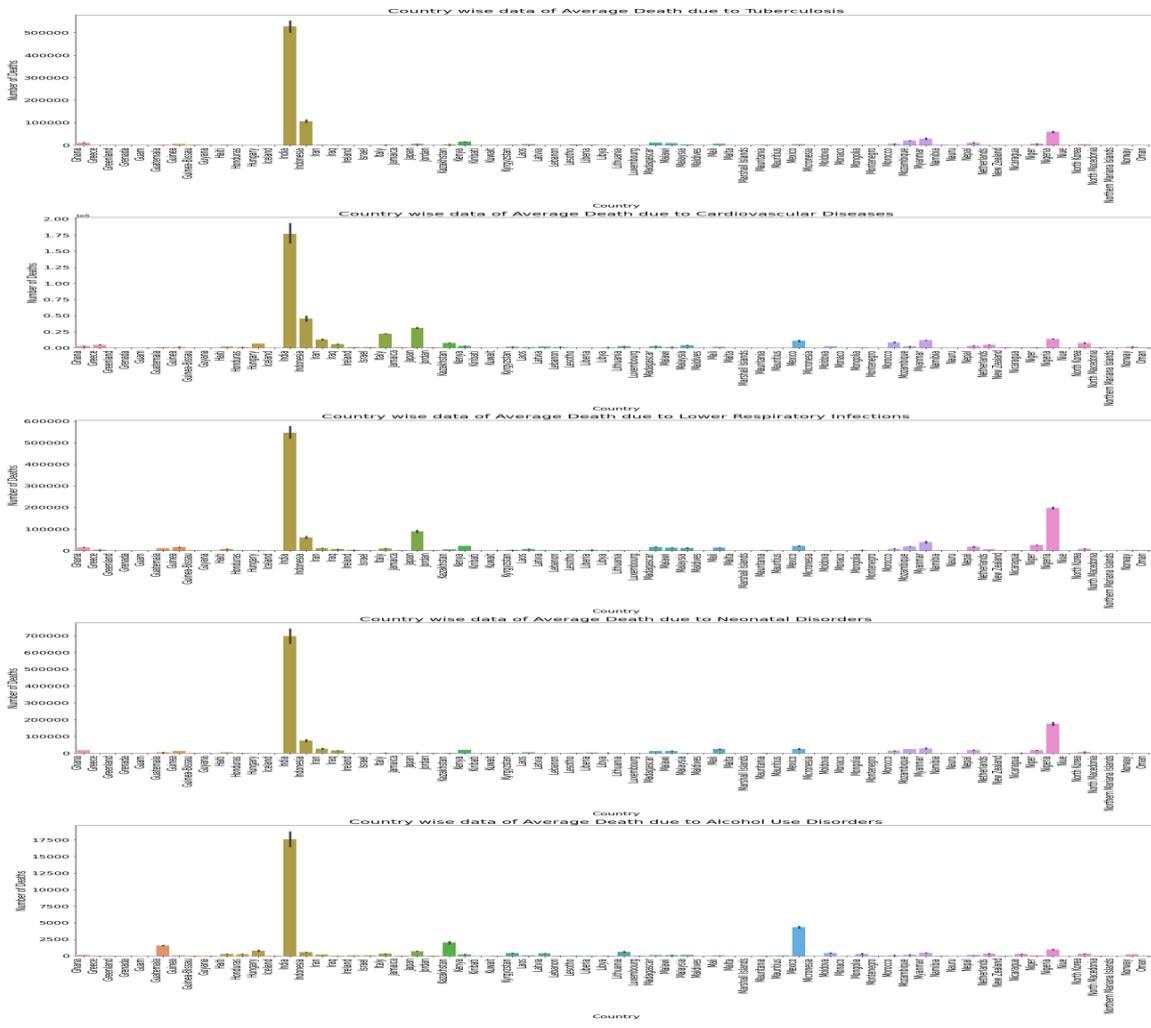
## Observations

1. 'Meningitis' – India has the greatest number of deaths due to Meningitis; the average count of death is 66,964, it is followed by Nigeria with average count of 50,679.
2. 'Alzheimer's Disease and Other Dementias' – Due to Alzheimer's Disease and Other Dementias Japan have highest number of deaths. The average count of death is 87,963.
3. 'Parkinson's Disease' – India has largest deaths due to Parkinson's Disease, the average count of death for all years is 25,227. This count is followed by Japan with 10,277.
4. 'Nutritional Deficiencies' – Here India have the greatest number of deaths due to Nutritional Deficiencies; the average count is 1,09,685.
5. 'Malaria' – In Nigeria deaths due to Malaria is highest, the average count is 2,14,068.



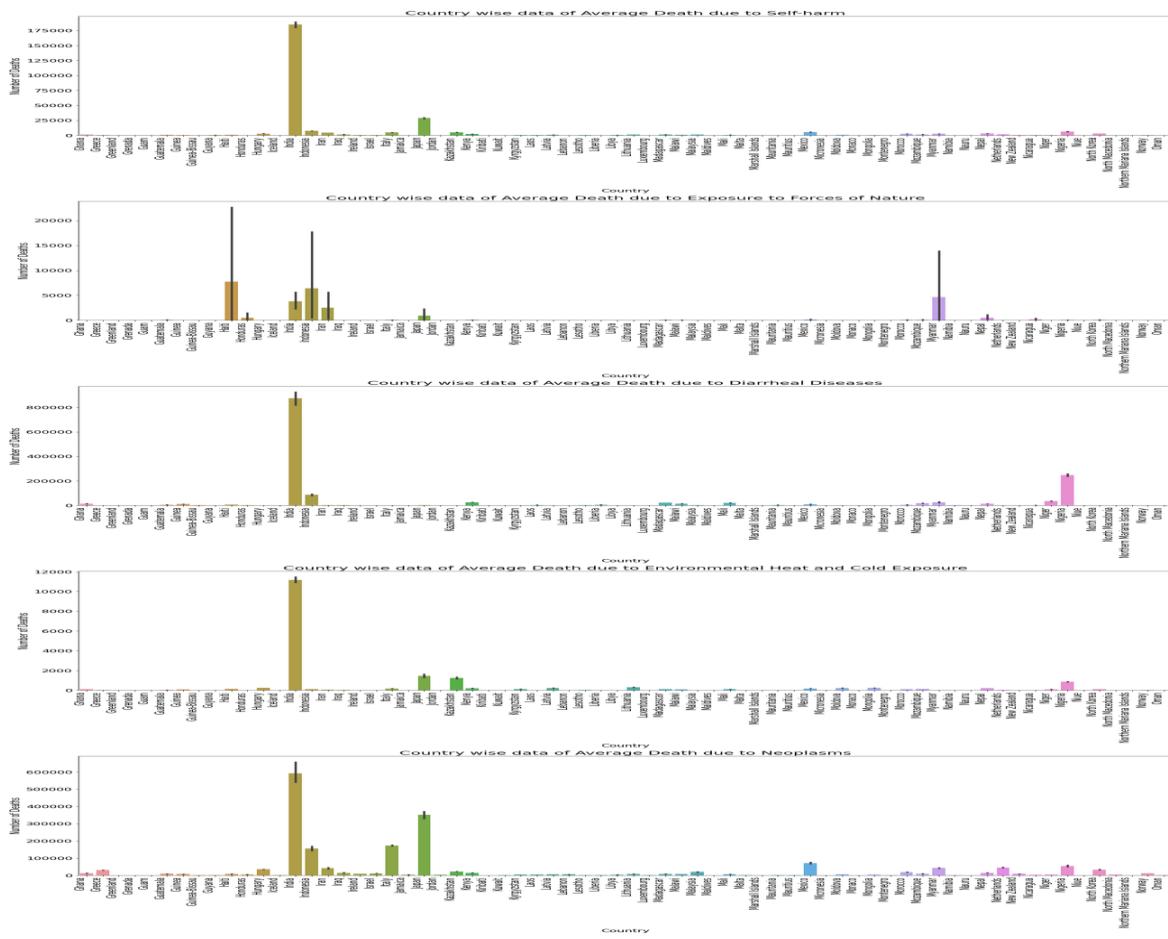
## Observations

6. 'Drowning' – In India deaths due to Drowning is most, the average count of death is around 70,347.
7. 'Interpersonal Violence' – The death due to Interpersonal Violence in India is most amongst above mentioned countries, the average count is around 41,238.
8. 'Maternal Disorders' – India have recorded the greatest number of deaths due to Maternal Disorders; the average count of death is around 76,414.
9. 'HIV/AIDS' – Kenya have recorded highest number of deaths due to HIV/AIDS, followed by India and Nigeria respectively.
10. 'Drug Use Disorders' – India has highest number of deaths due to Drug use Disorders followed by Iran; the average death count is around 5,630 in India and 2,539 in Iran.



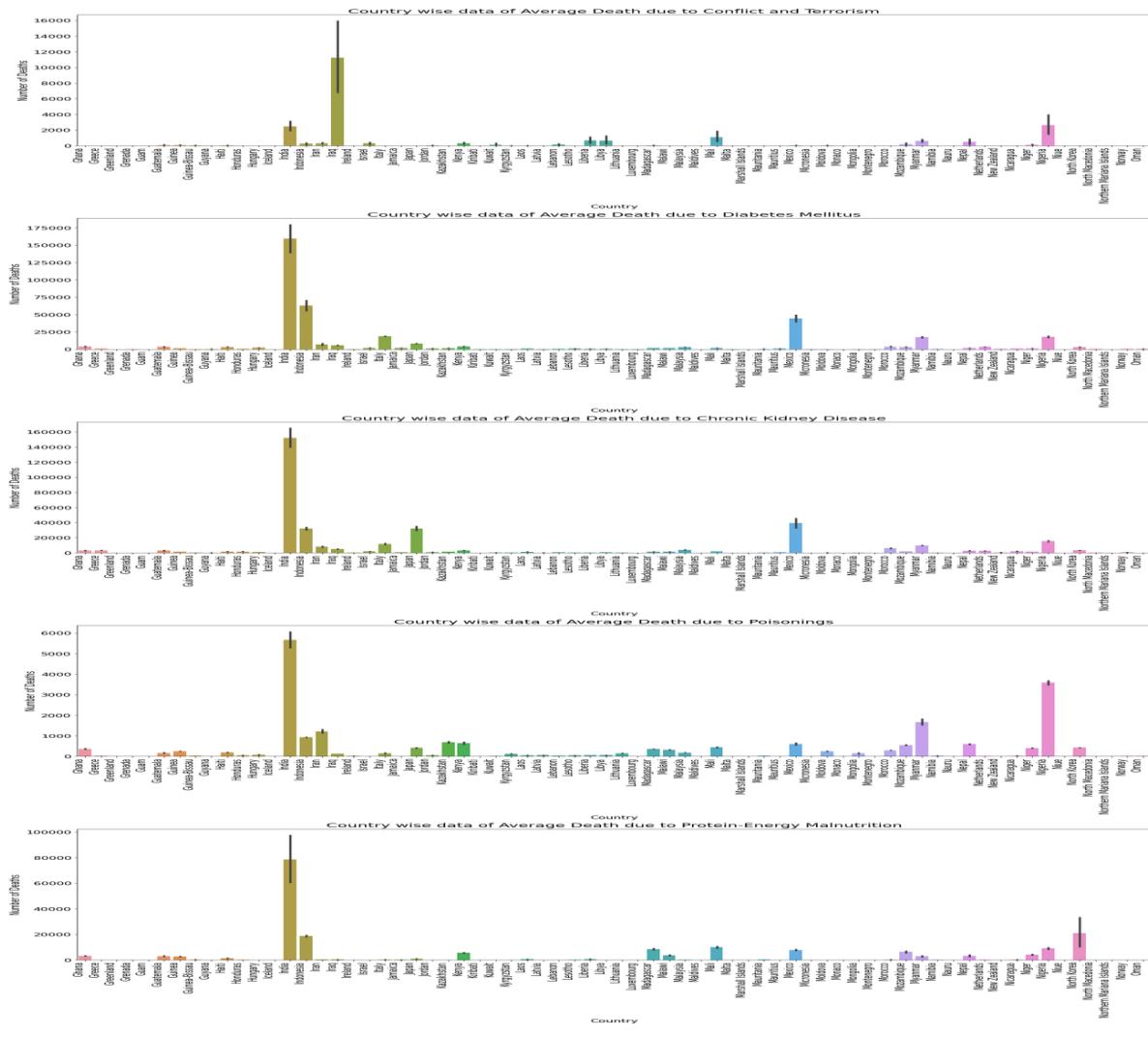
## Observations

11. 'Tuberculosis' – India has highest number of deaths due to Tuberculosis amongst above mentioned countries. The average death count is around 5,27,364.
12. 'cardiovascular diseases' – India has highest number of deaths due to cardiovascular diseases; the average death count due to these diseases is 17,66,490.
13. 'Lower Respiratory Infections'- Deaths due to Lower Respiratory Infections is highest in India followed by Nigeria.
14. 'Neonatal Disorders' – India have recorded highest number of Deaths due to Neonatal Disorders with average death count of 6,97,052.
15. 'Alcohol Use Disorders' – India has highest number of deaths due to Alcohol followed by Nigeria.



## Observations

16. 'Self-harm' – India have recorded highest number of deaths due to Self-harm followed by Mexico.
17. 'Exposure to Forces of Nature' – Haiti has highest number of deaths due to Exposure to Forces of Nature amongst the above-mentioned countries.
18. 'Diarrheal Diseases' – India has highest number of deaths due to Diarrheal Diseases; the average death count is around 8,74,784.
19. 'Environmental Heat and Cold Exposure' – Due to Environmental Heat and Cold Exposure India have recorded average death count of around 11165 which is highest amongst above mentioned countries.
20. 'Neoplasms' – India has highest number of deaths amongst above mentioned countries due to Neoplasms, the average death count is around 5,92,090



## Observations

21. 'Conflict and Terrorism' – Iraq have recorded highest number of deaths due to Conflict and Terrorism amongst above-mentioned countries, the average death count is around 11,232.
22. 'Diabetes Mellitus' – India has highest count of deaths due to Diabetes Mellitus; the average death count is around 1,59,372.
23. 'chronic kidney disease' – India has highest deaths due to chronic kidney disease amongst above mentioned countries. The average count is around 1,51,872.
24. 'Poisonings' – India has highest deaths due to poisoning followed by Nigeria.
25. 'Protein-Energy Malnutrition' – India has highest count of death due to Protein – Energy Malnutrition amongst above countries.



## Observations

26. 'Road Injuries' – India have recorded highest deaths due to Road Injuries amongst above mentioned countries. The average death count is 1,78,205.

27. 'Chronic Respiratory Diseases' – India has highest number of deaths due to Chronic Respiratory Diseases amongst above mentioned countries, the average count is around 8,41,099.

28. 'Cirrhosis and Other Chronic Liver Diseases' – India has highest count of death due to this Diseases; the average count is around 2,09,830.

29. 'Digestive Diseases' – India have recoded highest number of deaths due to Digestive Diseases, followed by Indonesia.

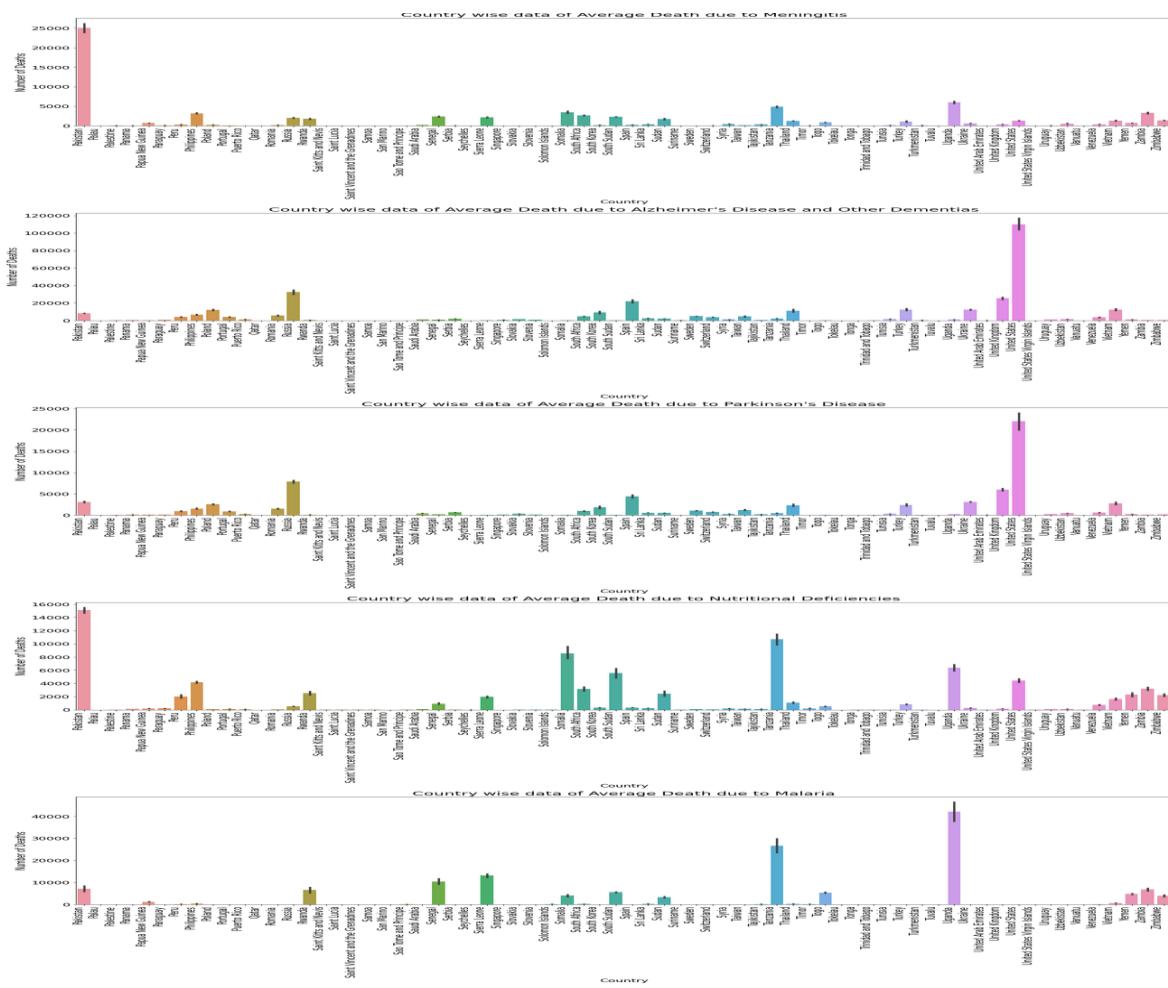
30. 'Fire, Heat, and Hot Substances' – Most number of death due to Fire, heat, and hot substances is highest in India amongst above mentioned countries.

31. 'Acute Hepatitis' – India have recorded highest number of deaths due to Acute Hepatitis, followed by Indonesia. The average count of death is 55,739 and 7730 respectively.

## Country wise data of Average Death

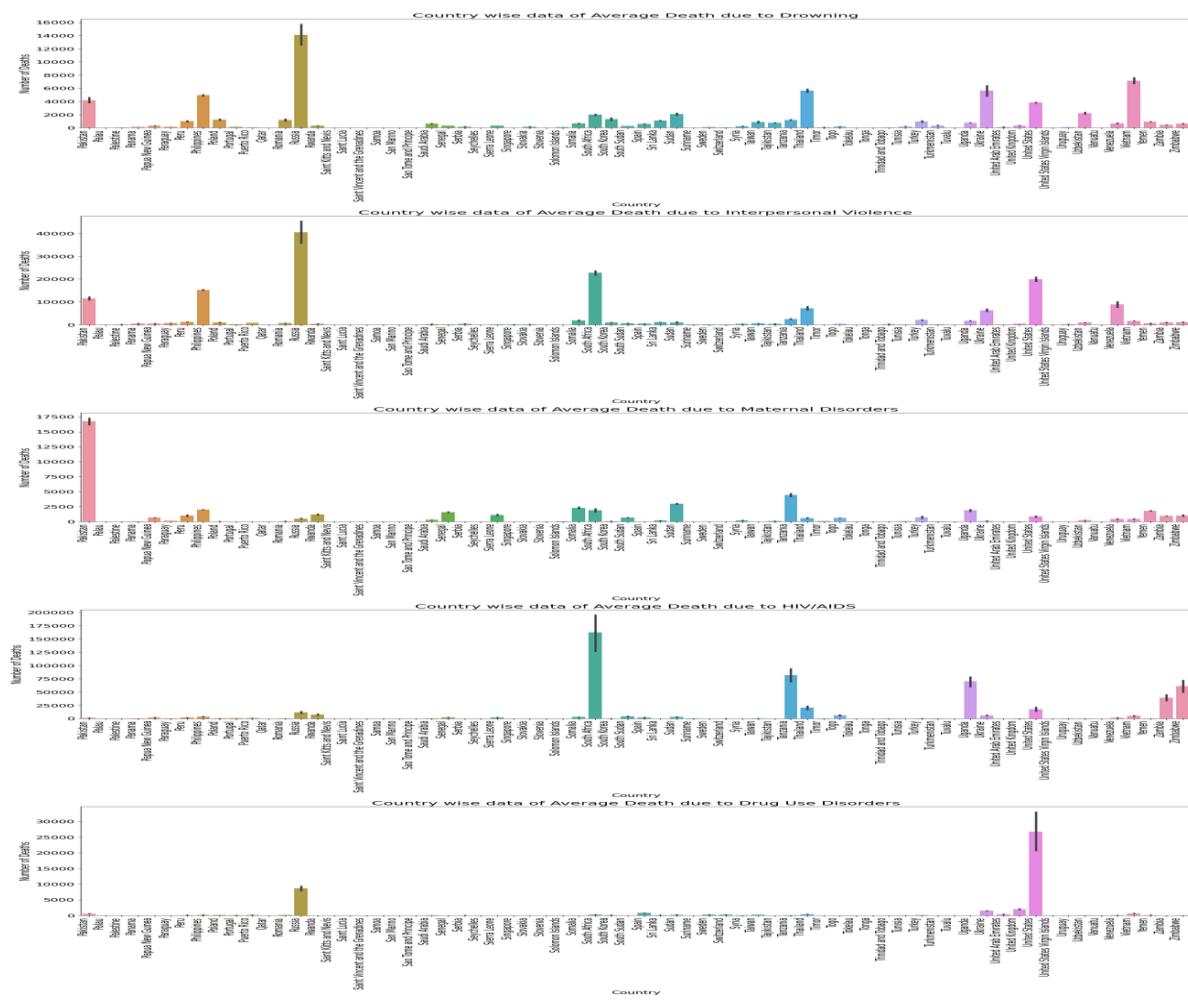
We have further divided 204 countries in 3 parts of 68 each, 3rd part consists of below countries.

Pakistan, Palau, Palestine, Panama, Papua New Guinea, Paraguay, Peru, Philippines, Poland, Portugal, Puerto Rico, Qatar, Romania, Russia, Rwanda, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Samoa, San Marino, Sao Tome and Principe, Saudi Arabia, Senegal, Serbia, Seychelles, Sierra Leone, Singapore, Slovakia, Slovenia, Solomon Islands, Somalia, South Africa, South Korea, South Sudan, Spain, Sri Lanka, Sudan, Suriname, Sweden, Switzerland, Syria, Taiwan, Tajikistan, Tanzania, Thailand, Timor, Togo, Tokelau, Tonga, Trinidad and Tobago, Tunisia, Turkey, Turkmenistan, Tuvalu, Uganda, Ukraine, United Arab Emirates, United Kingdom, United States, United States Virgin Islands, Uruguay, Uzbekistan, Vanuatu, Venezuela, Vietnam, Yemen, Zambia and Zimbabwe.



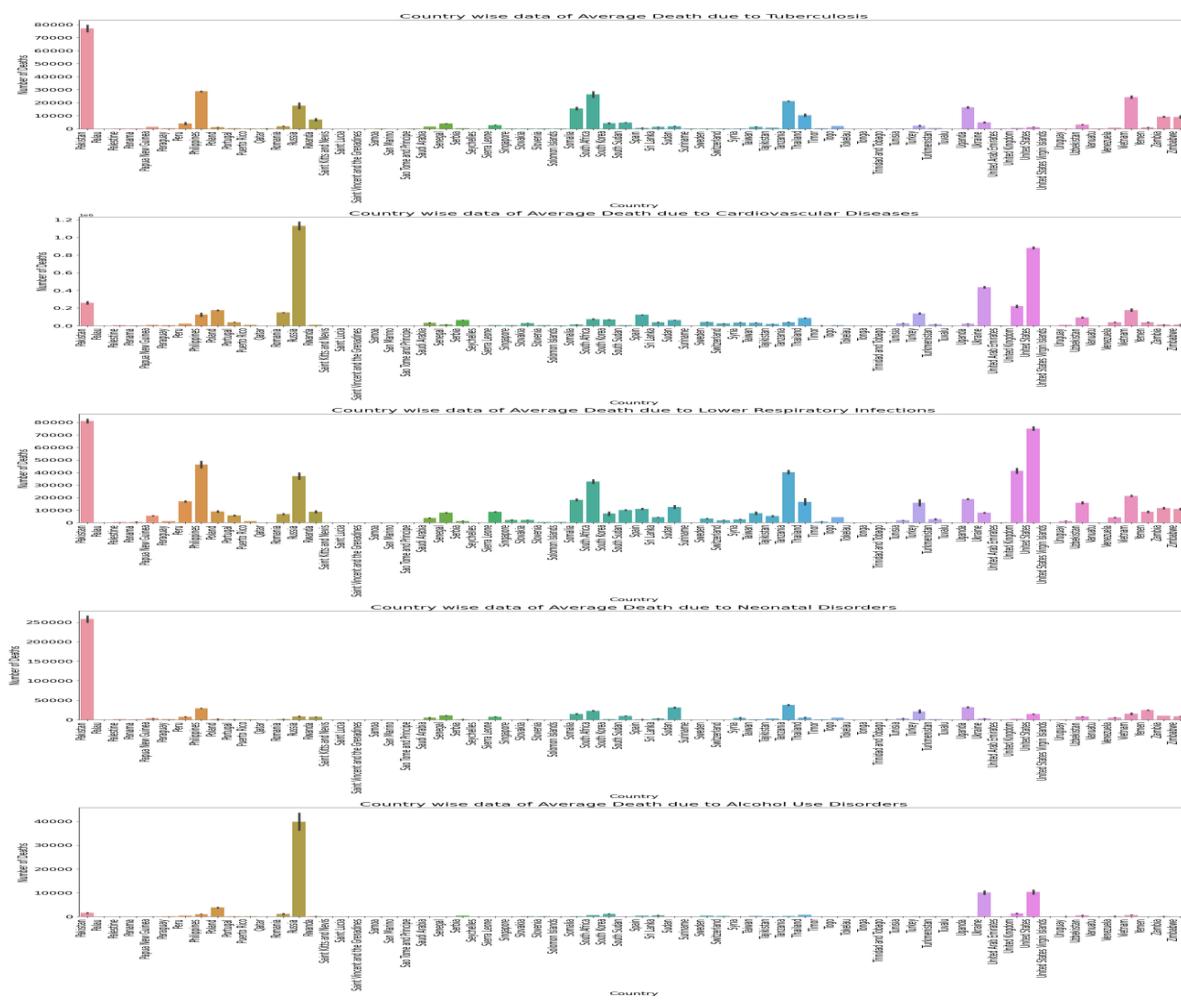
## Observations

1. 'Meningitis' – Pakistan has highest number of deaths due to Meningitis amongst above mentioned countries. The average count is around 25,095.
2. 'Alzheimer's Disease and Other Dementias' – United States have highest count of death due to Alzheimer's Disease and Other Dementias; the average count of death is around 110,086.
3. 'Parkinson's Disease' – United States have highest count of death due to Parkinson's Disease; the average count is around 22,042.
4. 'Nutritional Deficiencies' – Pakistan has highest deaths due to Nutritional Deficiencies amongst above mentioned countries followed by Tanzania and Somalia.
5. 'Malaria' – Uganda have recorded highest number of deaths due to Malaria; the average count of death is around 42,187.



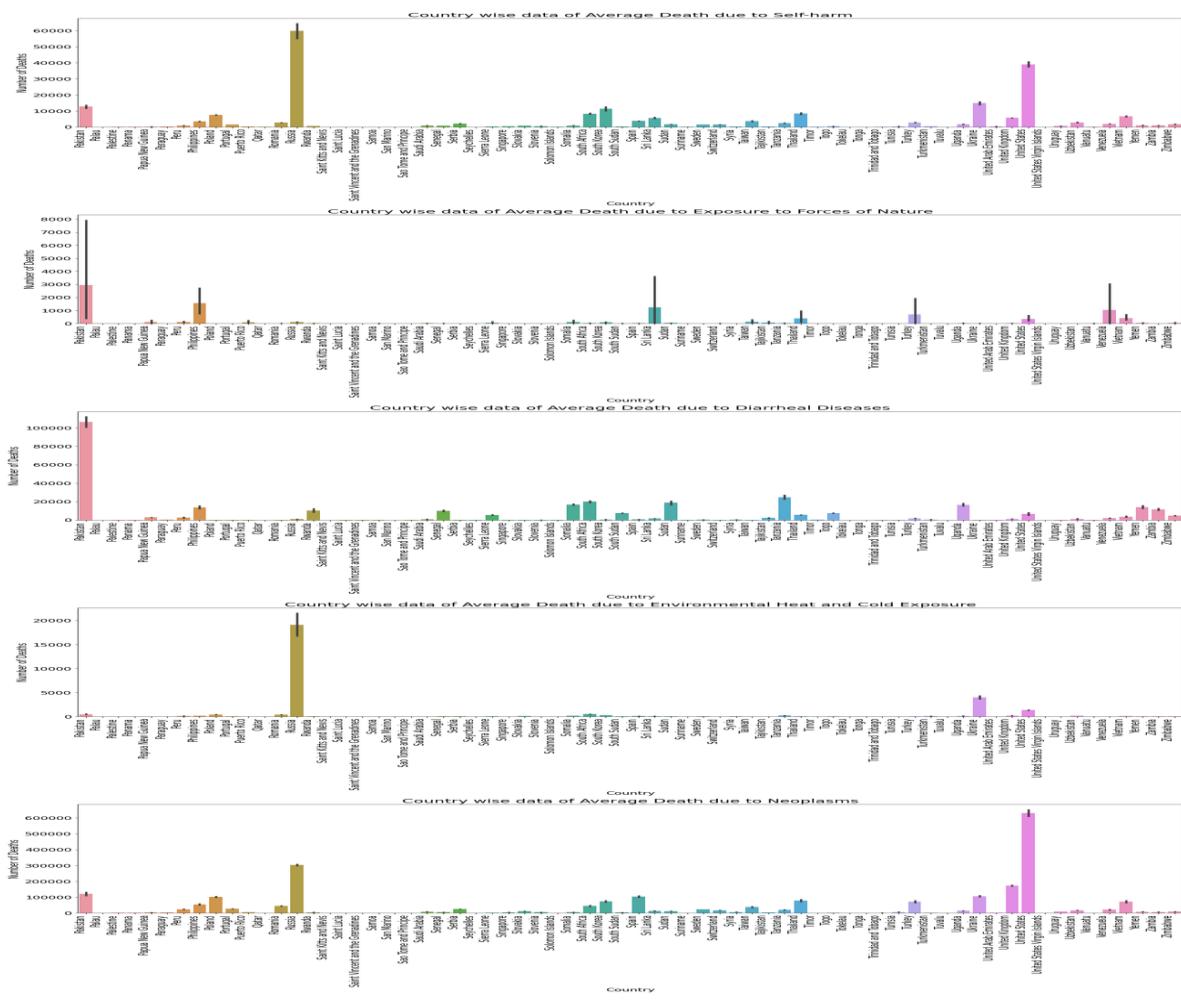
## Observations

6. 'Drowning' – Russia has highest number of deaths due to Drowning amongst above mentioned countries, the average count of death is around 14,101.
7. 'Interpersonal Violence' – Russia has highest number of deaths due to Interpersonal Violence; the average count of death is around 40,505.
8. 'Maternal Disorders' – Pakistan has highest number of deaths due to Maternal Disorders; the average count of death is around 16,794.
9. 'HIV/AIDS' – South Africa have highest count of death followed by Tanzania amongst above mentioned countries.
10. 'Drug Use Disorders' – United States have highest number of deaths due to Drug Use Disorders; the average count of death is around 26693.



## Observations

11. 'Tuberculosis' – Pakistan has highest number of deaths among above mentioned countries due to Tuberculosis, the average count of death is 76,990.
12. 'cardiovascular diseases' – Russia has highest number of deaths due to cardiovascular diseases; the average count of death is around 11,30,126.
13. 'Lower Respiratory Infections' – Pakistan has highest number of deaths due to Lower Respiratory Infection among above mentioned countries it is followed by United States.
14. 'Neonatal Disorders' – Pakistan has highest number of deaths due to Neonatal Disorders; the average count of death is around 2,58,444.
15. 'Alcohol Use Disorders' – Russia has highest deaths due to Alcohol; the average count of death is around 39,822.



## Observations

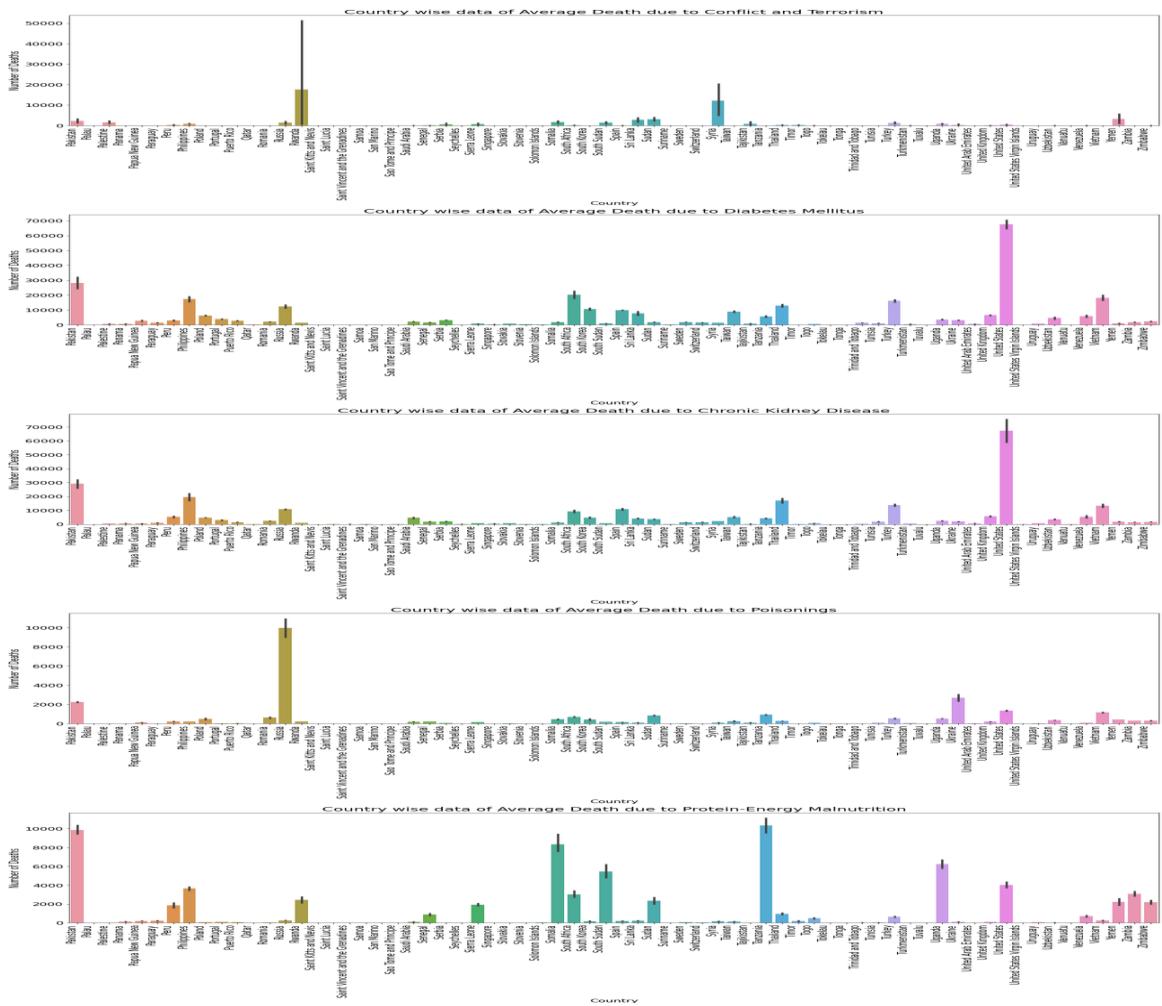
16. 'Self-harm' - Russia have recorded highest number of deaths because of self-harm, the average count of death is 59,795.

17. 'Exposure to Forces of Nature' – Pakistan has highest count of death due to Exposure to Forces of Nature.

18. 'Diarrheal Diseases' – Pakistan has highest count of death due to Diarrheal Diseases followed by Tanzania.

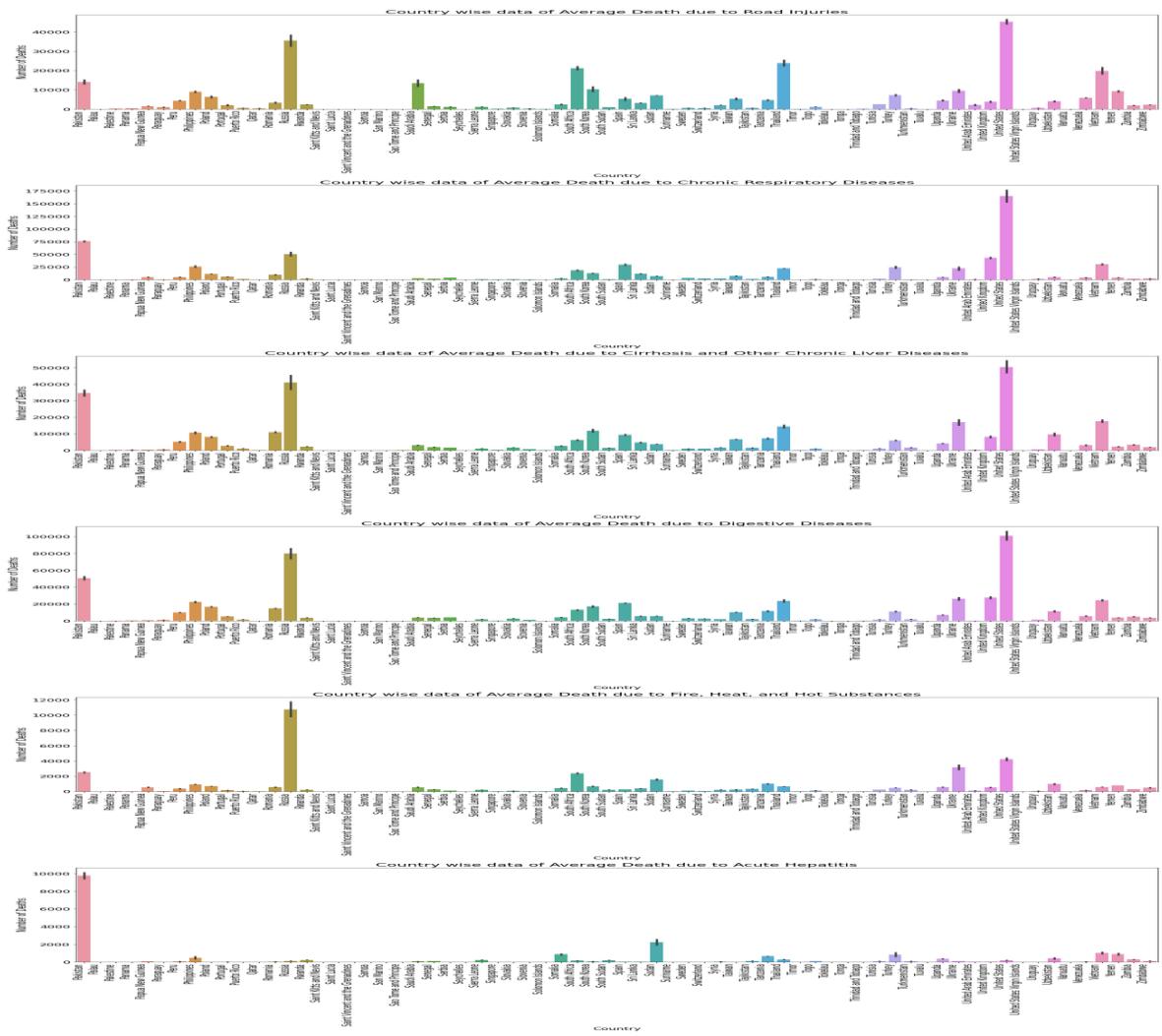
19. 'Environmental Heat and Cold Exposure' - Russia have recorded highest number of death due to Environmental Heat and Cold Exposure.

20. 'Neoplasms' – United states have recorded highest count of deaths due to Neoplasms, the average count of death due to this is 6,30,177.



## Observations

21. 'Conflict and Terrorism' - Rwanda have recorded highest number of deaths due to Conflict and Terrorism followed by Syria.
22. 'Diabetes Mellitus' - United states have recorded highest number of deaths due to Diabetes Mellitus, the average count of death due to Diabetes Mellitus is around 67,687.
23. 'chronic kidney disease' - United States among above mentioned countries have recorded highest number of deaths due to chronic kidney disease.
24. 'Poisonings' - Russia have recorded highest number of deaths due to Poisonings followed by Ukraine.
25. 'Protein-Energy Malnutrition' - Tanzania have recorded highest number of death due to Protein-Energy Malnutrition.



## Observations

26. 'Road Injuries' – United States have recorded highest number of deaths due to Road Injuries; the average count of deaths is 45,324.

27. 'Chronic Respiratory Diseases' – Again United States have highest number of deaths due to Chronic Respiratory Diseases among above mentioned countries.

28. 'Cirrhosis and Other Chronic Liver Diseases' – United States have highest count of death due to Cirrhosis and Other Chronic Liver Diseases followed by Russia.

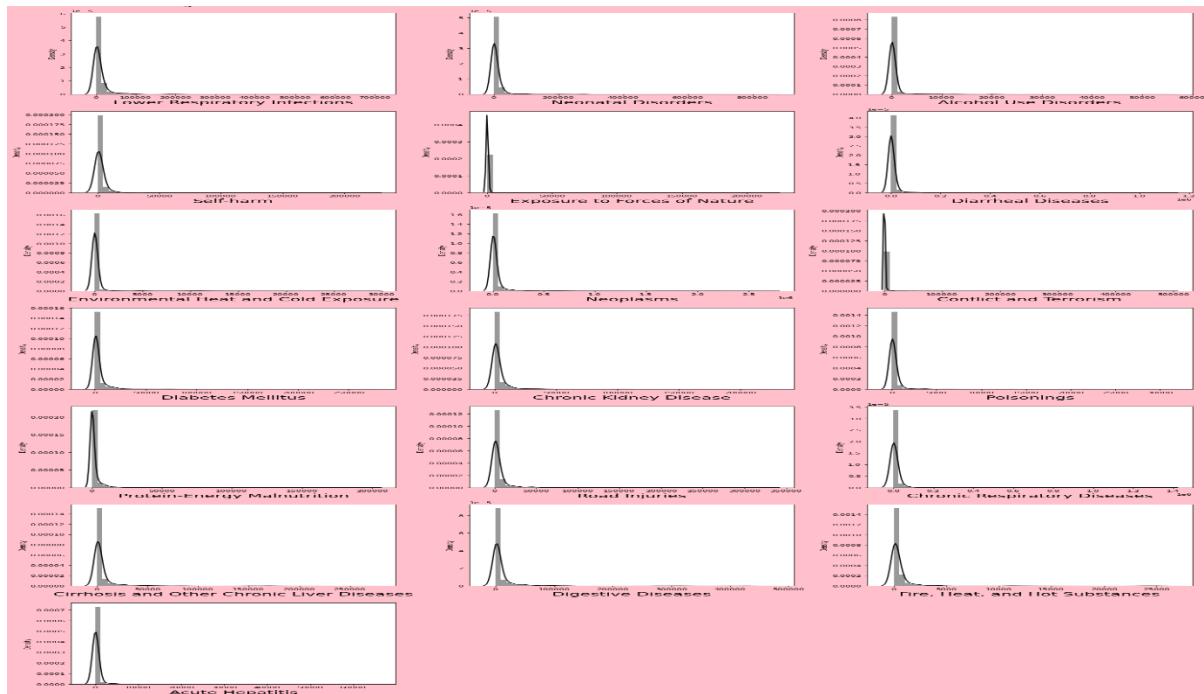
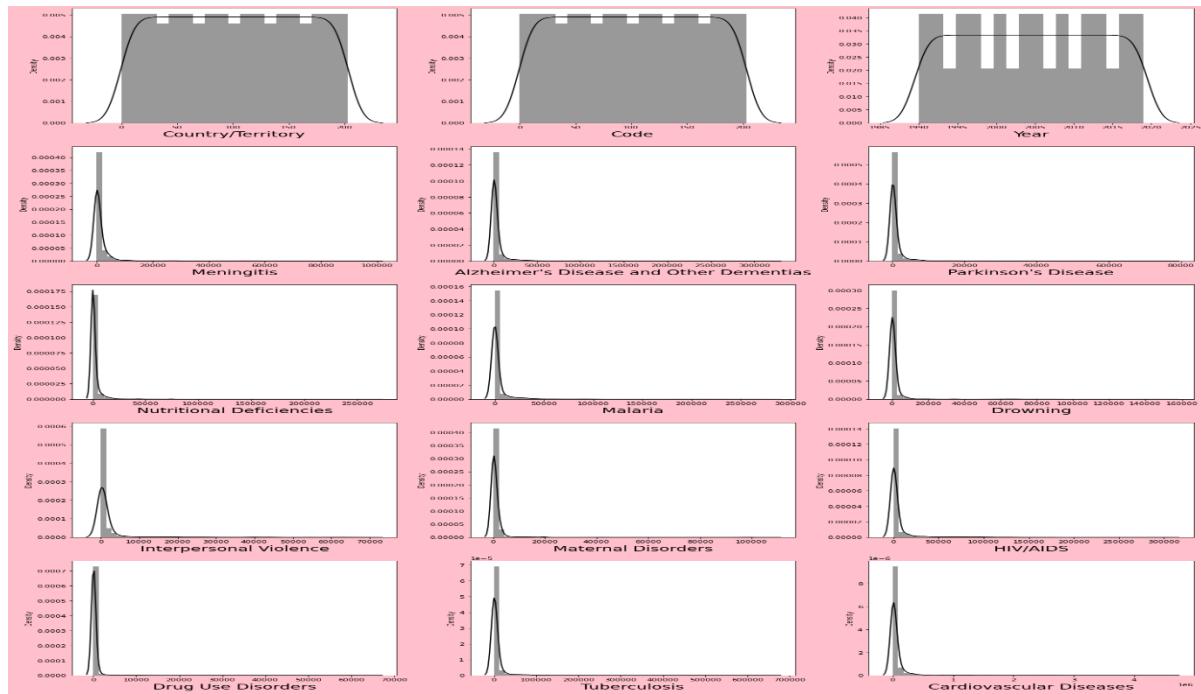
29. 'Digestive Diseases' – Most number of deaths due to these Diseases is recorded by United States, the average count is around 100,898.

30. 'Fire, Heat, and Hot Substances' – Russia have recorded the greatest number of deaths due to Fire, Heat, and Hot Substances.

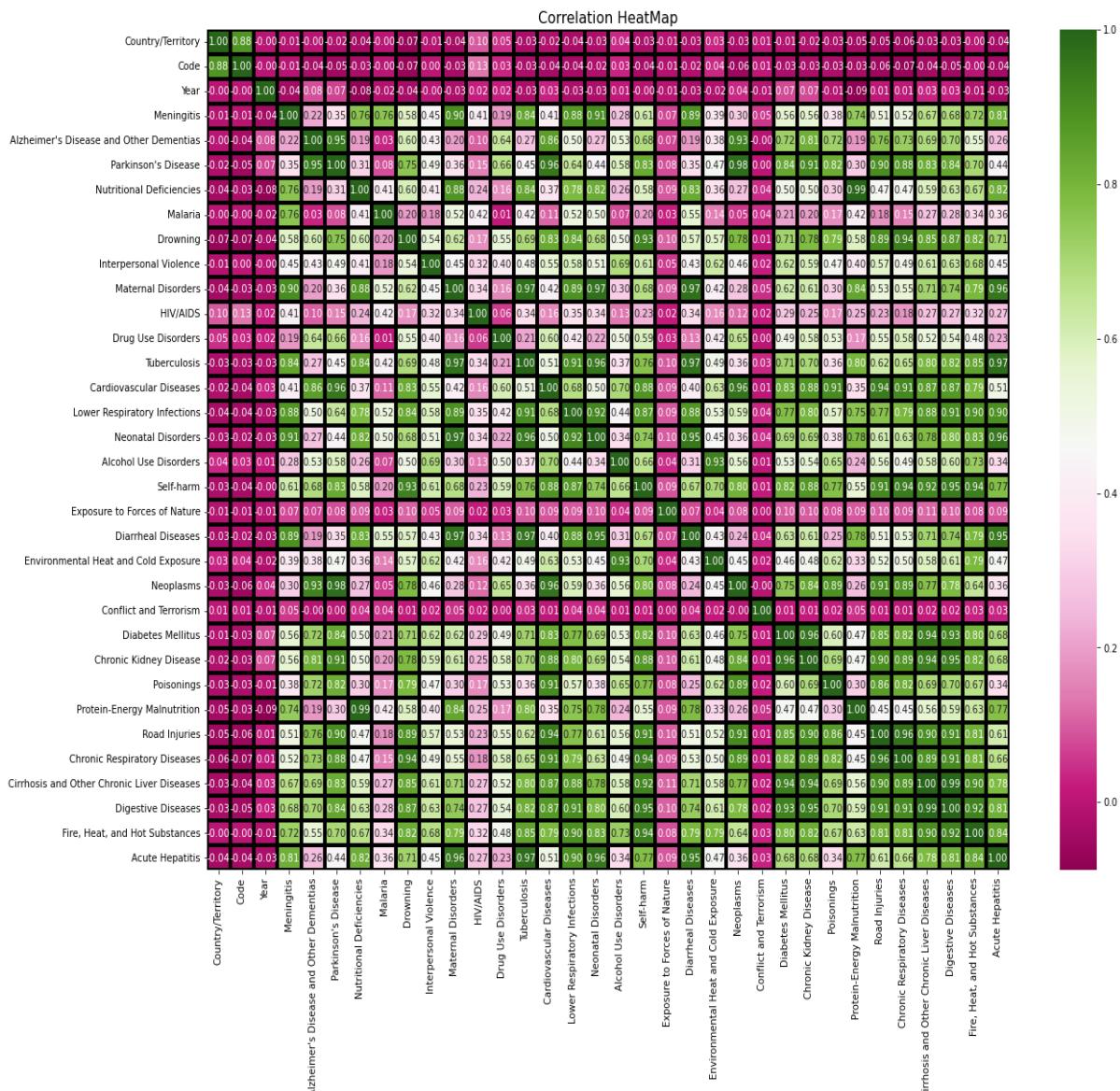
31. 'Acute Hepatitis' – Pakistan has the greatest number of deceased people due to Acute Hepatitis. The average count of death is around 9,767.

# Checking Skewness of our Data

We will further check if our data have any Skewness using Graphical Presentation. Our Data have skewness as population is main factor which will affect our data.



# Correlation of Data using Heatmap



## **Conclusion**

Most common cause of Death since 1990 to 2019 is cardiovascular diseases it is continuously increasing. India and China have the greatest number of Deaths as population causes important factor in this followed by United States.

Thank you