



IAC 4.0

# Team Spartans !!

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# Let's Start with "Challenge"...!!

## Predictive Analysis Part:

By leveraging the given information we need to *depict how the development of the countries has been across the years* and related questions like Rankings based upon the achievement of the goals and other insights related to the data.

## Descriptive Analysis Part:

Here we will *analyze the the trend of different indicators across the years* and identify relationship across the different indicators (*impact analysis of indicators on each other*)

## Prescriptive Analysis Part:

Here we will *provide recommendations* on how can countries ranking low on the scorecard can achieve their target goals in the coming years in a more efficient manner.



**Messy Data ??**



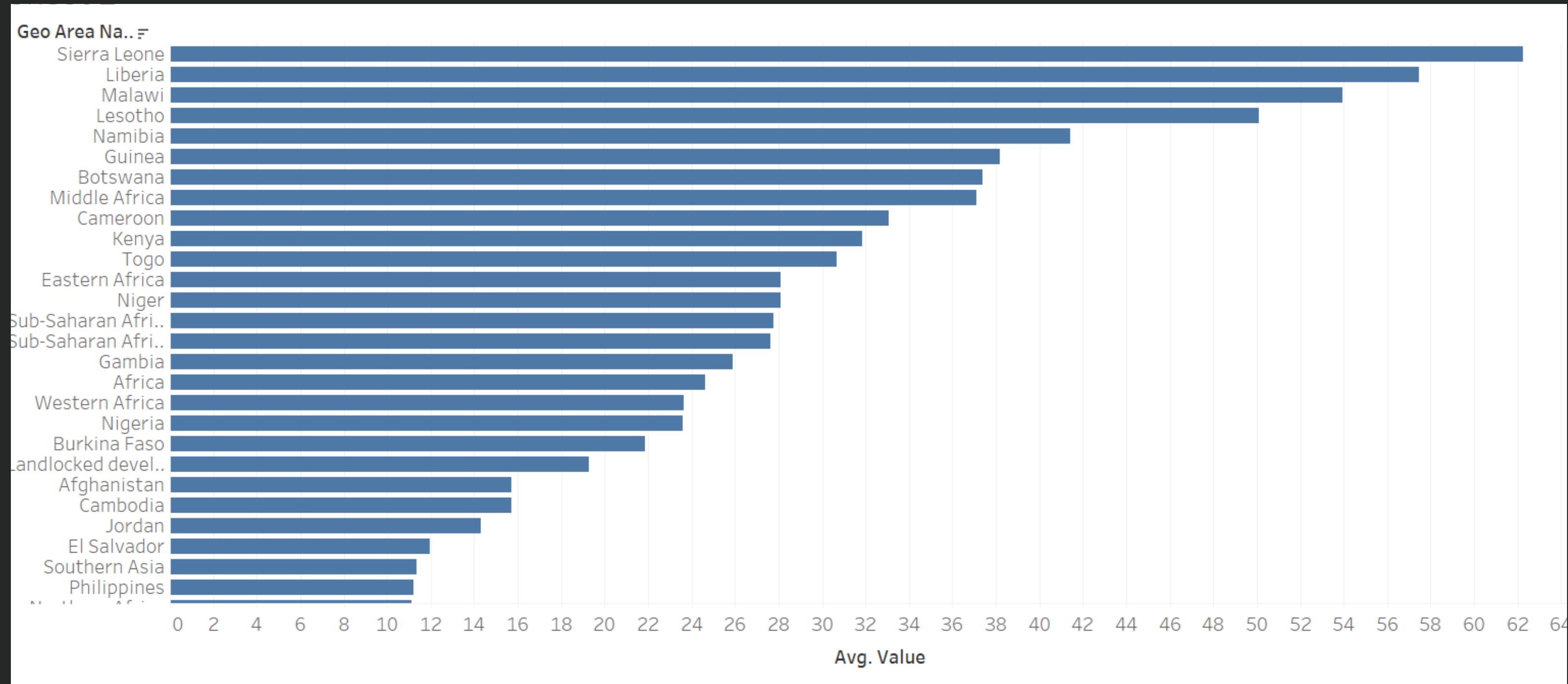
**Data Cleaning**



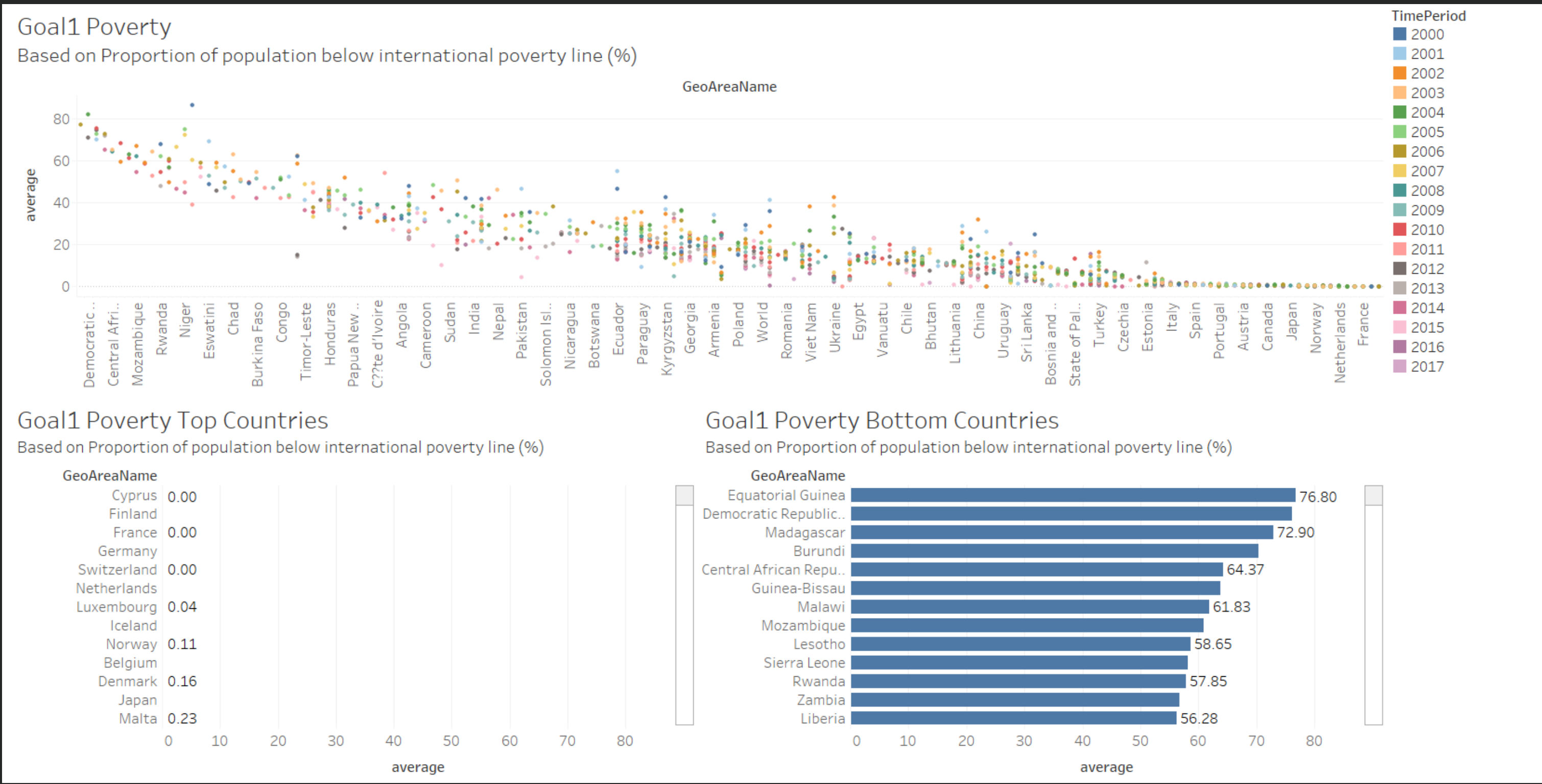
**Not Anymore !!**

# 1. GeoArea Name vs Value sorted by Series Description

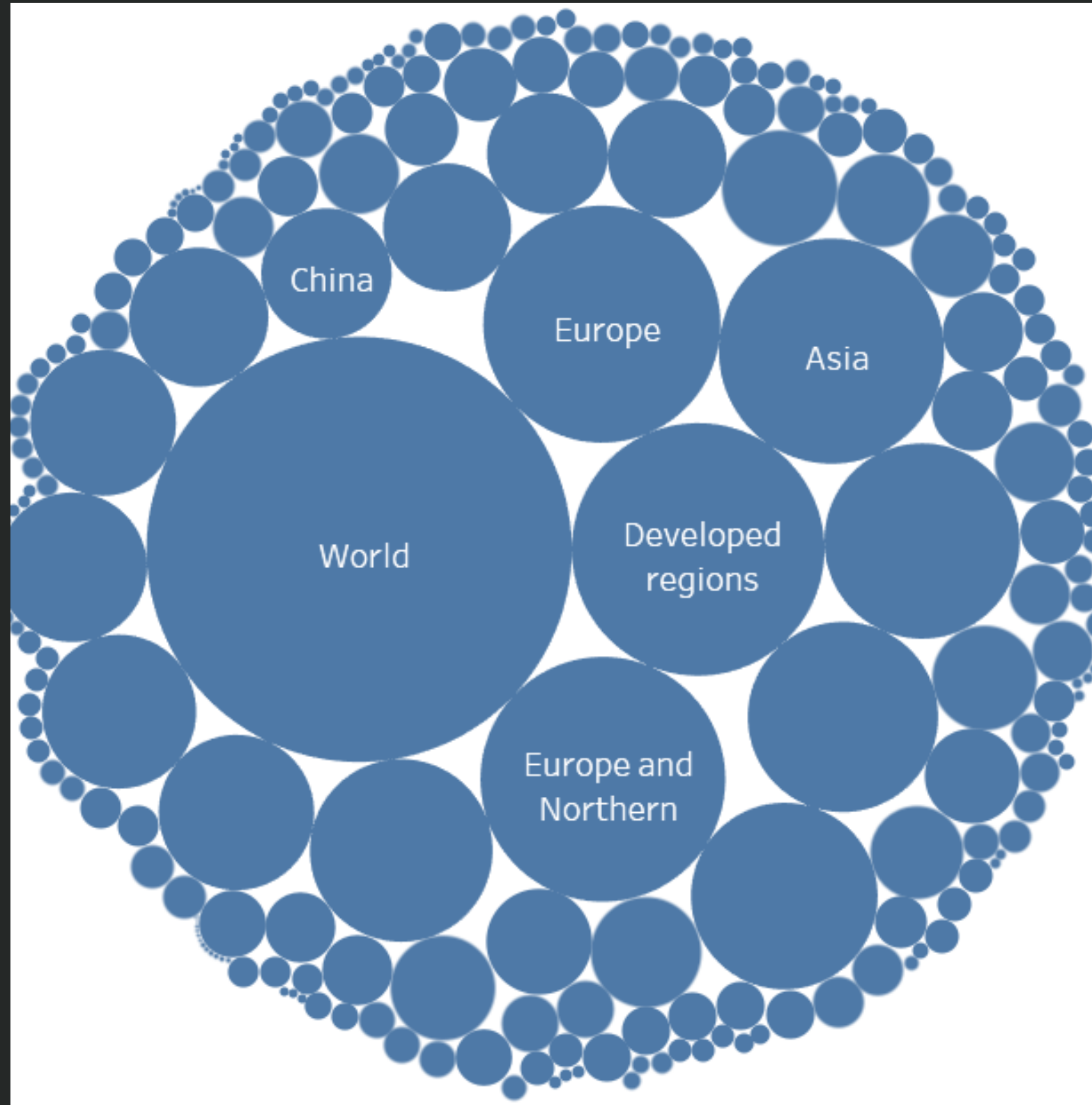
The Indicator is 2.1.2: Prevalence of food insecurity.



# 2. Goal 1: Trends on the basis of Poverty and other Factors:



## Goal 5: Gender Equality Region vs Value



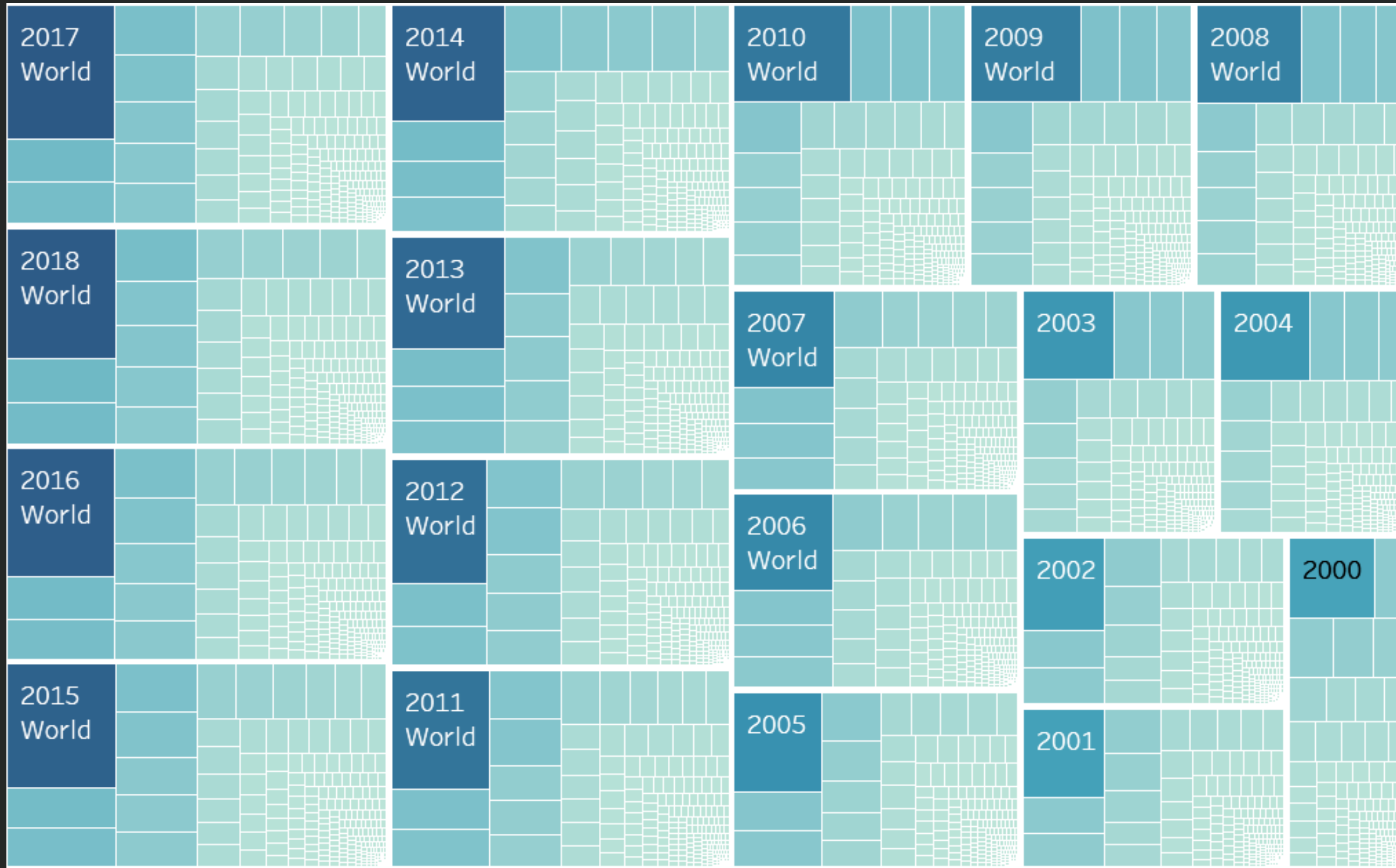


# GeoAreaName vs Value(average)

**The Indicator is 2.1.2: Prevalence of food insecurity.**

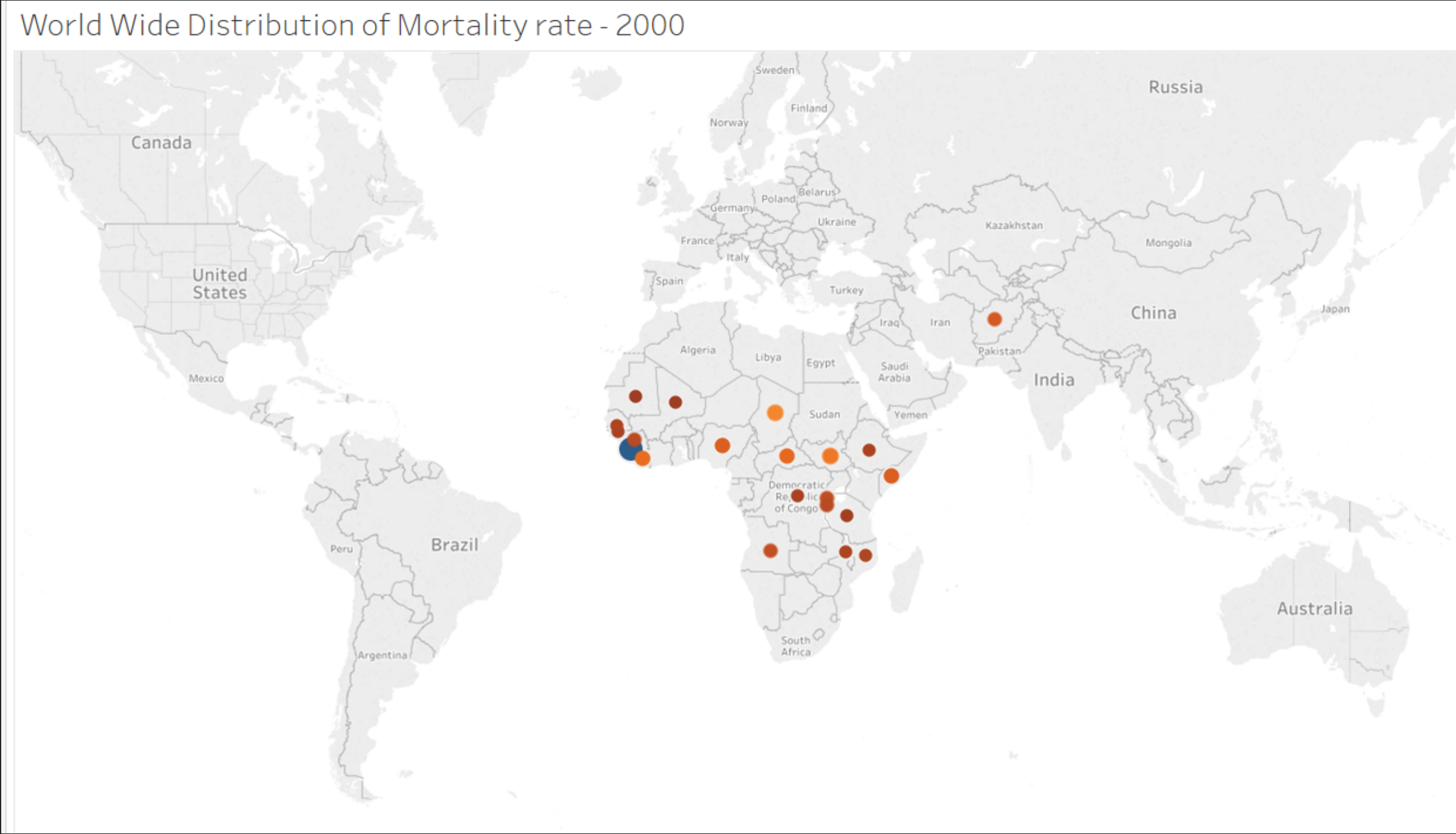
2016 Sierra Leone	2016 Liberia		2016 Malawi		2016 Lesotho		2016	2015 Sierra Leone	2015 Liberia		2015 Malawi		2015 Lesotho		2015
2016 Botswana	2016	2016	2016	2016 Niger	2016	2016	2016	2015 Guinea	2015 Niger	2015	2015	2015	2015	2015	
2016 Middle	2016 Western							2015 Botswana	2015 Nigeria	2015					
2016 Guinea	2016 Nigeria		2016					2015 Middle	2015 Western						
2016 Cameroon	2016 Burkina		2016					2015 Kenya	2015						
2016 Kenya	2016		2016					2015 Togo	2015						
2016 Togo	2016		2016					2015 Cameroon	2015						
278 nulls															

# Goal 5: Region vs Value based on Year

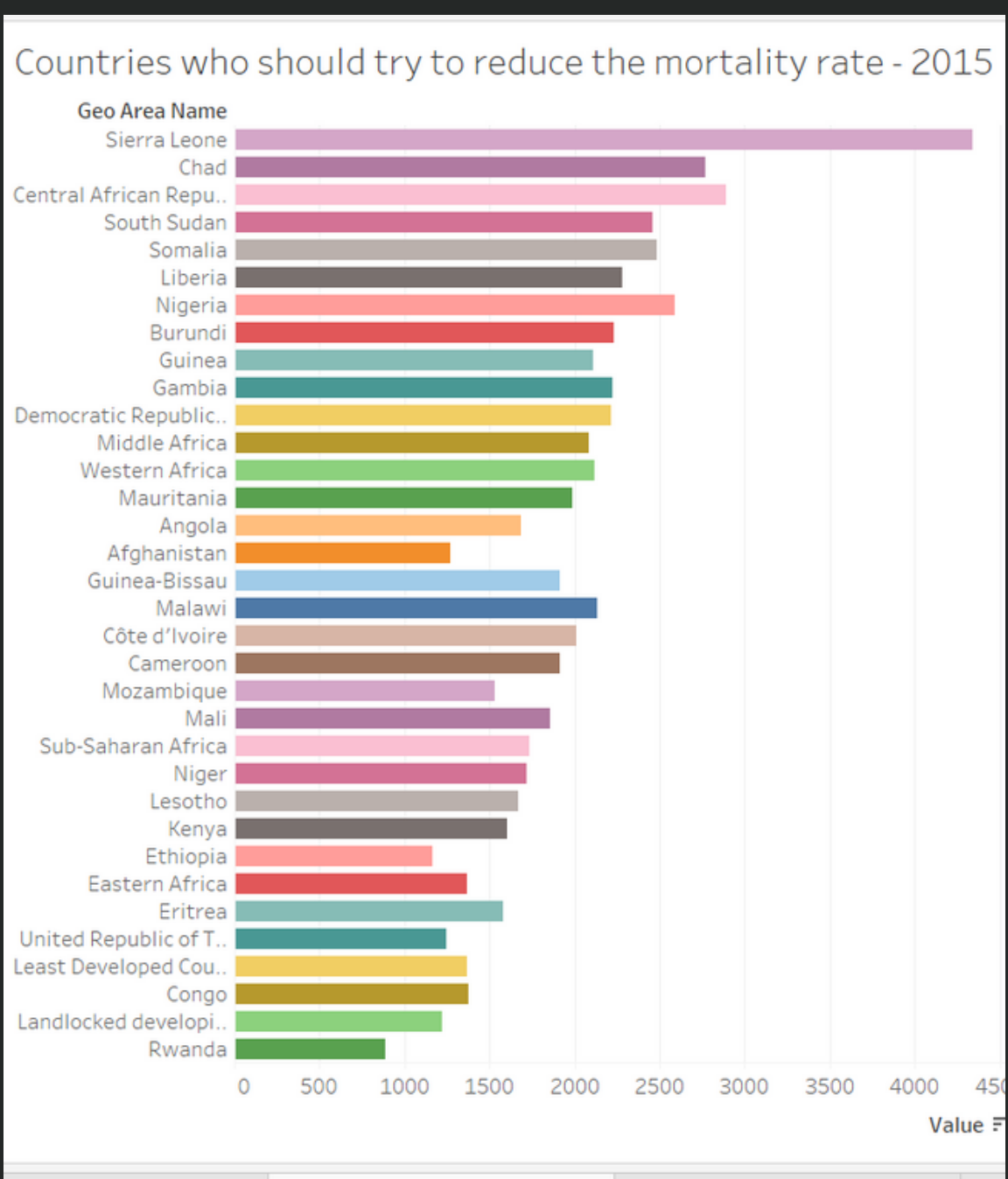
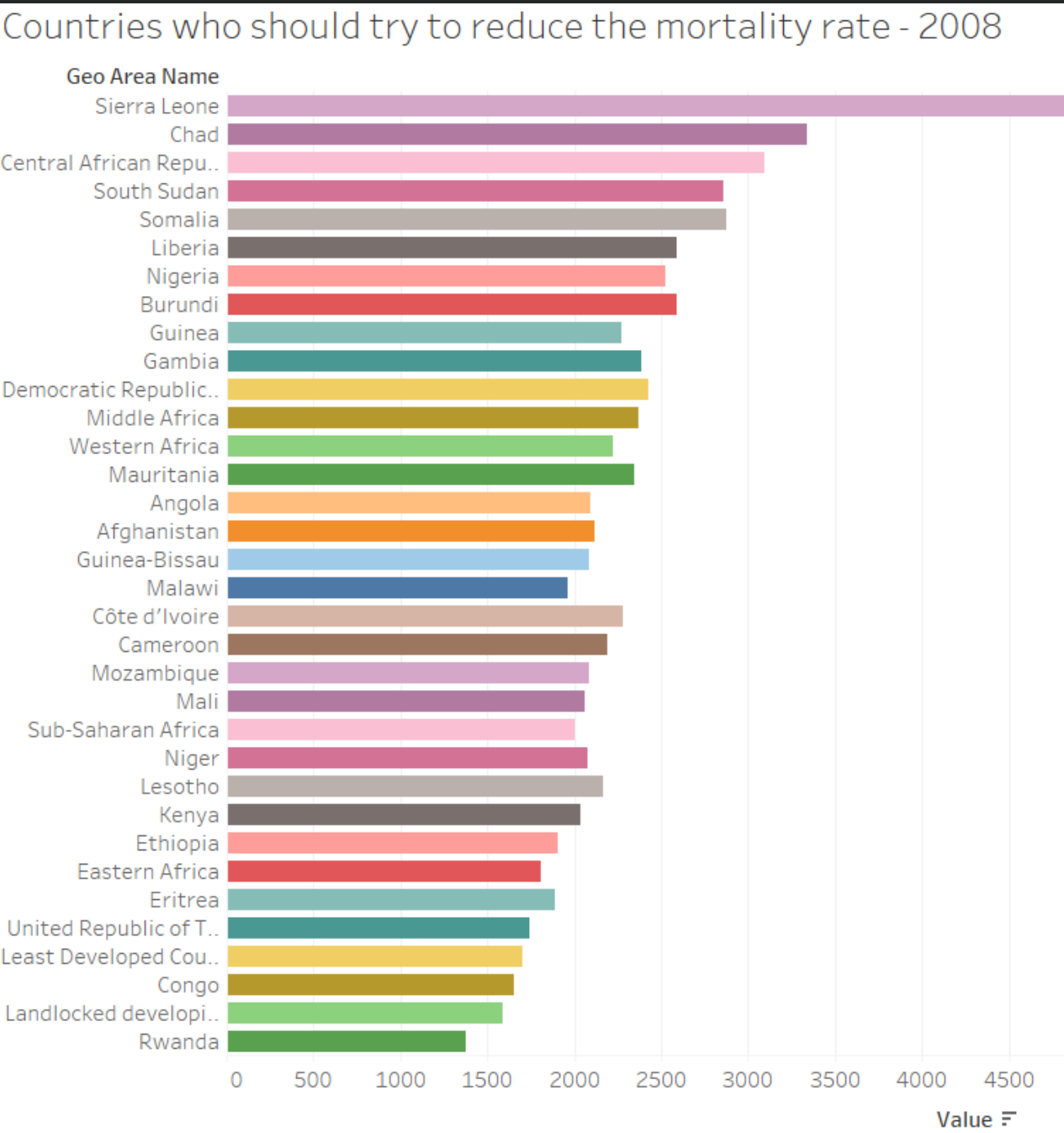
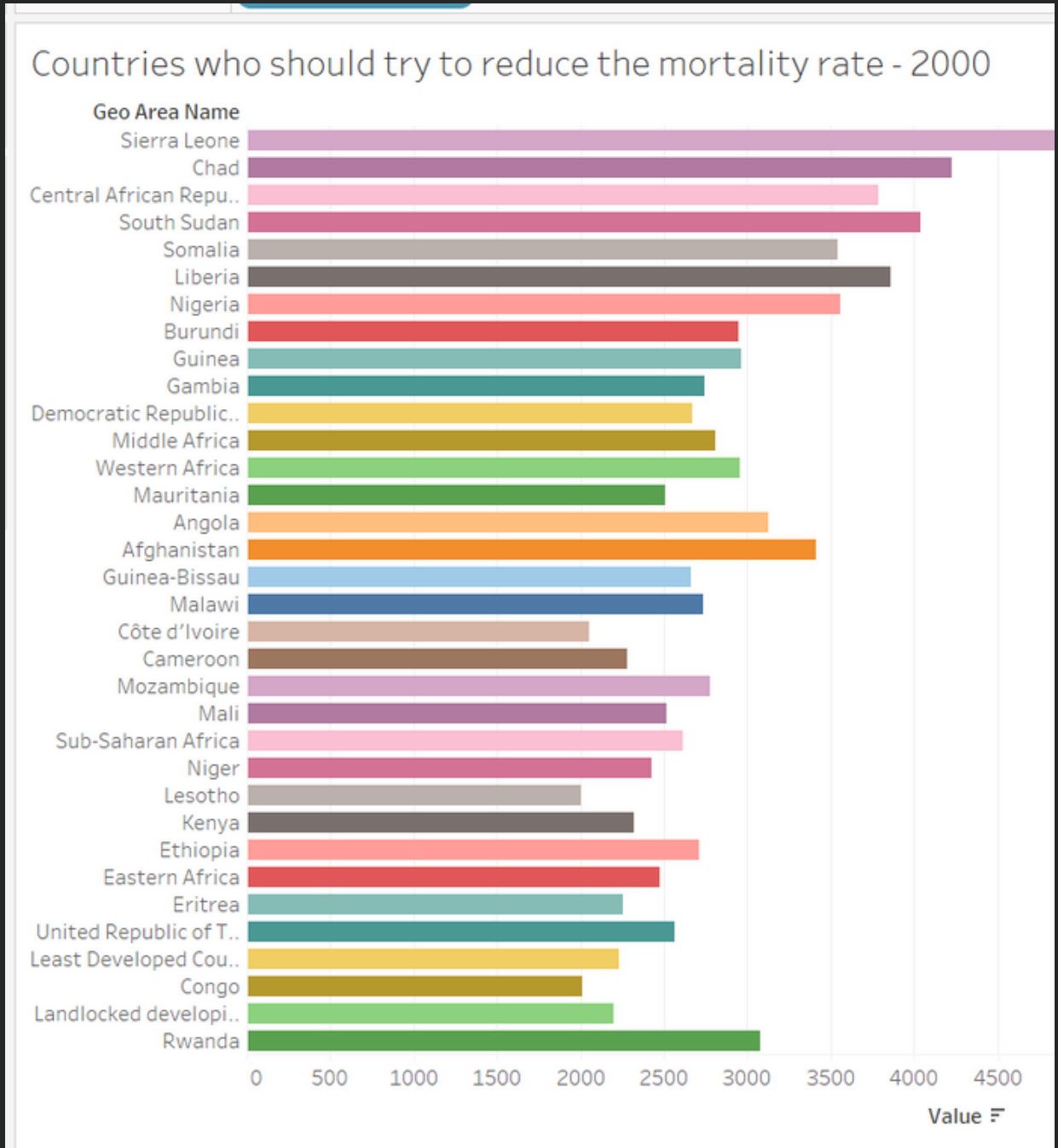




# 3. Worldwide Distribution of Mortality Rate:



# Countries who should try to reduce the Mortality Rate:

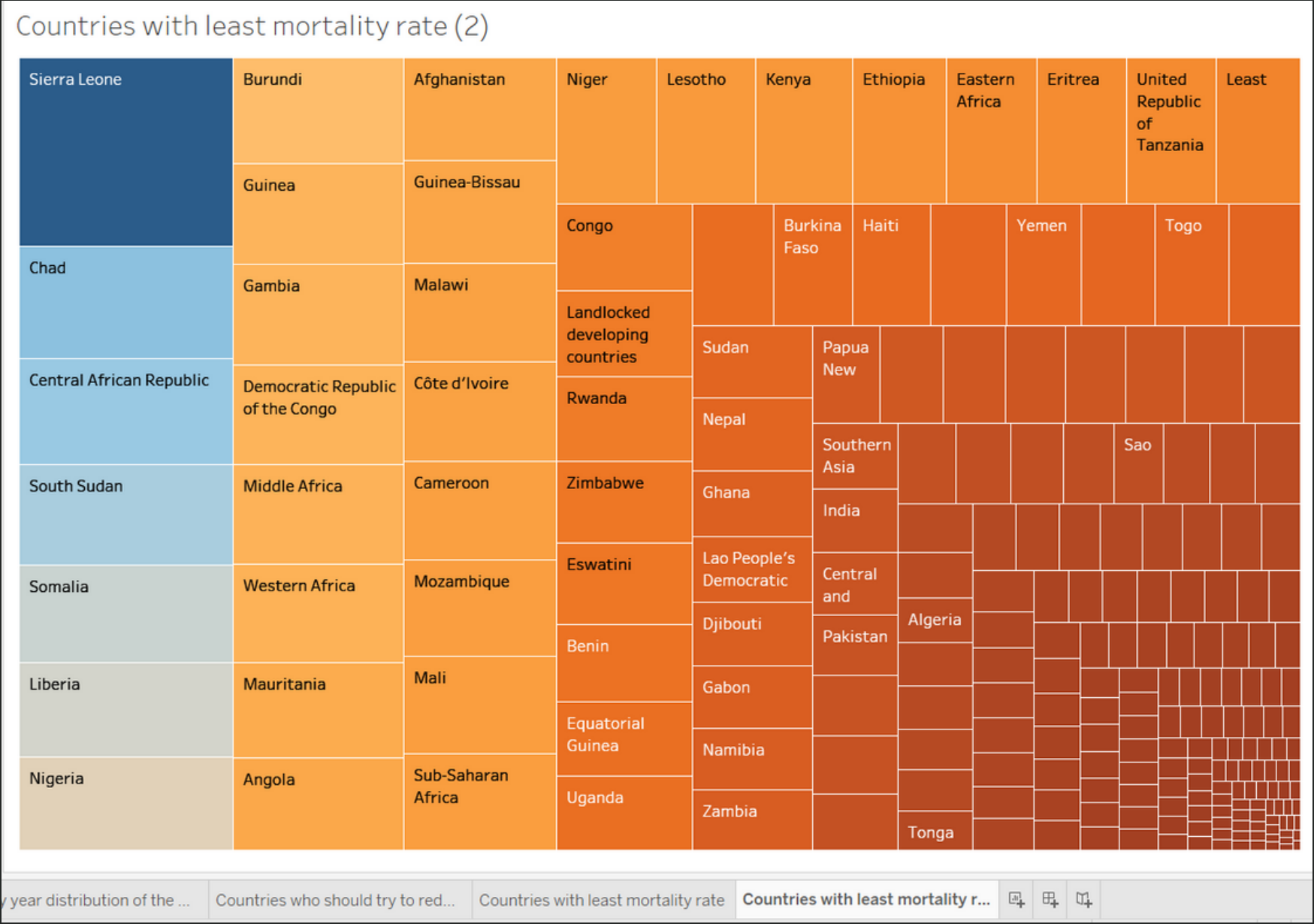
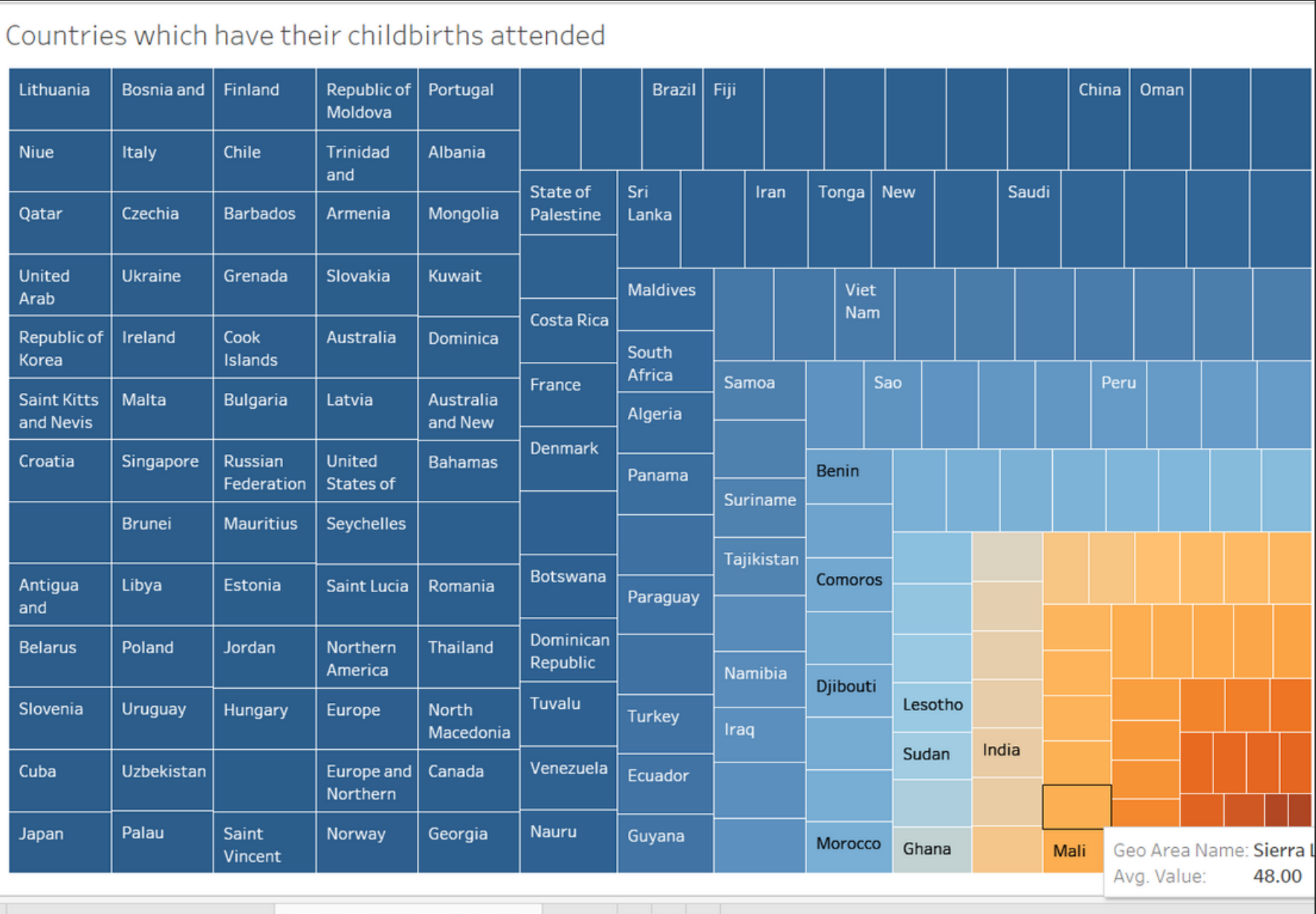


# Countries with Least Mortality Rate:



Greece, Finland & Iceland are the countries with least mortality rate.

# Establishment of Relationship b/w Mortality Rate and attendance to birth cases:



# Observation:

To address this challenge, mainly we concentrated on 5 major Goals that affects lifestyle of person resides in a particular geographic location which are-

1. Poverty
2. Hunger
3. Health
4. Education
5. Gender Equality (Socio-Economic status)

From our analysis we can clearly establish the relationship between all these goals as they are closely knitted with each other. For example if we consider the country **Sierra Leone** it has the highest poverty rate and highest hunger rate also. Along with that when we consider health aspects of an individual we see that it has the **worst mortality rate** and its one of the worst performers in terms of **Education & Gender Equality**.

# Prescription:

We recommend that -

1. Countries from the African Continents needs some special support and assistance from the United Nations, when it comes to achieve the Sustainable Development Goals.
2. For the betterment of the lives of people UN should focus more on improving their targets and should take regressive feedback from the governments of these countries.
3. UN should make sure that whatever the funds they are providing to these countries should be used towards attaining these goals and targets like good education, optimized health services, Gender equality should be well taken care of.
4. This way we can observe change in these trends in the upcoming years.



**Thank You**