

VISUALIZATION OF MATERNAL MORTALITY

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Abstract

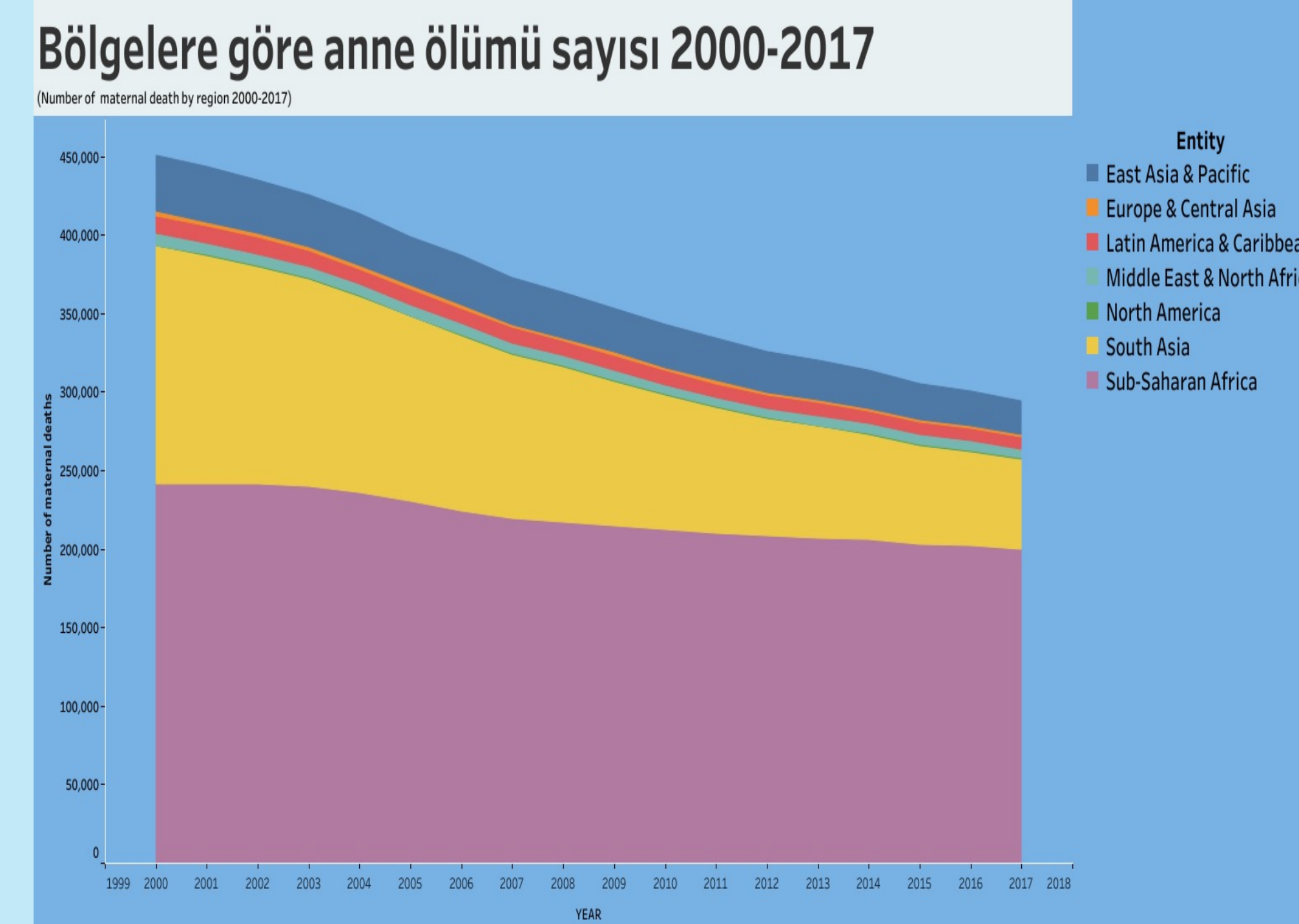
Maternal death is defined as death while pregnant or within 42 days of end of pregnancy due to different causes. In this project I will visualize the maternal deaths in the world by region, country and by cause as well, after visualization we will take conclusion about two questions: is there any relationship between maternal mortality ratio and per capita income , the second one what is the main cause of maternal deaths? and final we will see what researchers said if we make maternal deaths as rare as they are in the healthiest countries. I used TABLEAU software to complete this project .

Introduction

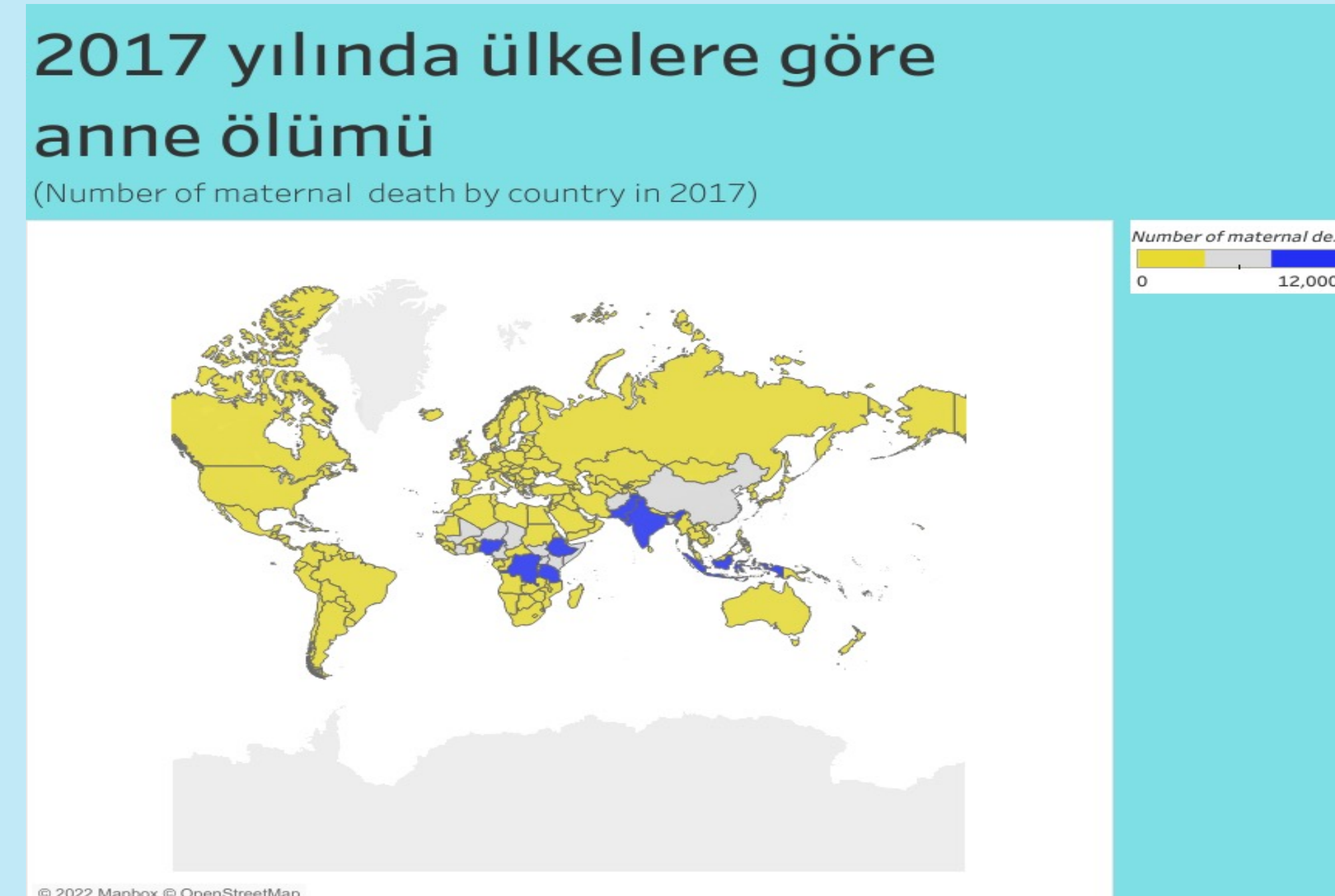
For most of our history, pregnancy and childbirth were dangerous for both baby and mother. If we look at long-term trends in maternal mortality – the likelihood a woman will die from pregnancy-related causes – we see that every 100th to 200th birth led to the mother’s death. Improvements in healthcare, nutrition, and hygiene mean maternal deaths are much rarer today. But women are still dying from pregnancy-related. We will see together how maternal death differ according to region and maternal death by country. And this maternal death is mostly caused by late maternal deaths, maternal obstructed labor, maternal sepsis and other maternal infections, maternal abortion ,maternal hemorrhage etc. we will use data visualization to answer the question says that among the above causes which one is the main cause of maternal death?

Maternal death by Region and Income levels

Below is the graph showing the maternal deaths by region :



This one is the map showing the maternal Death by country in 2017

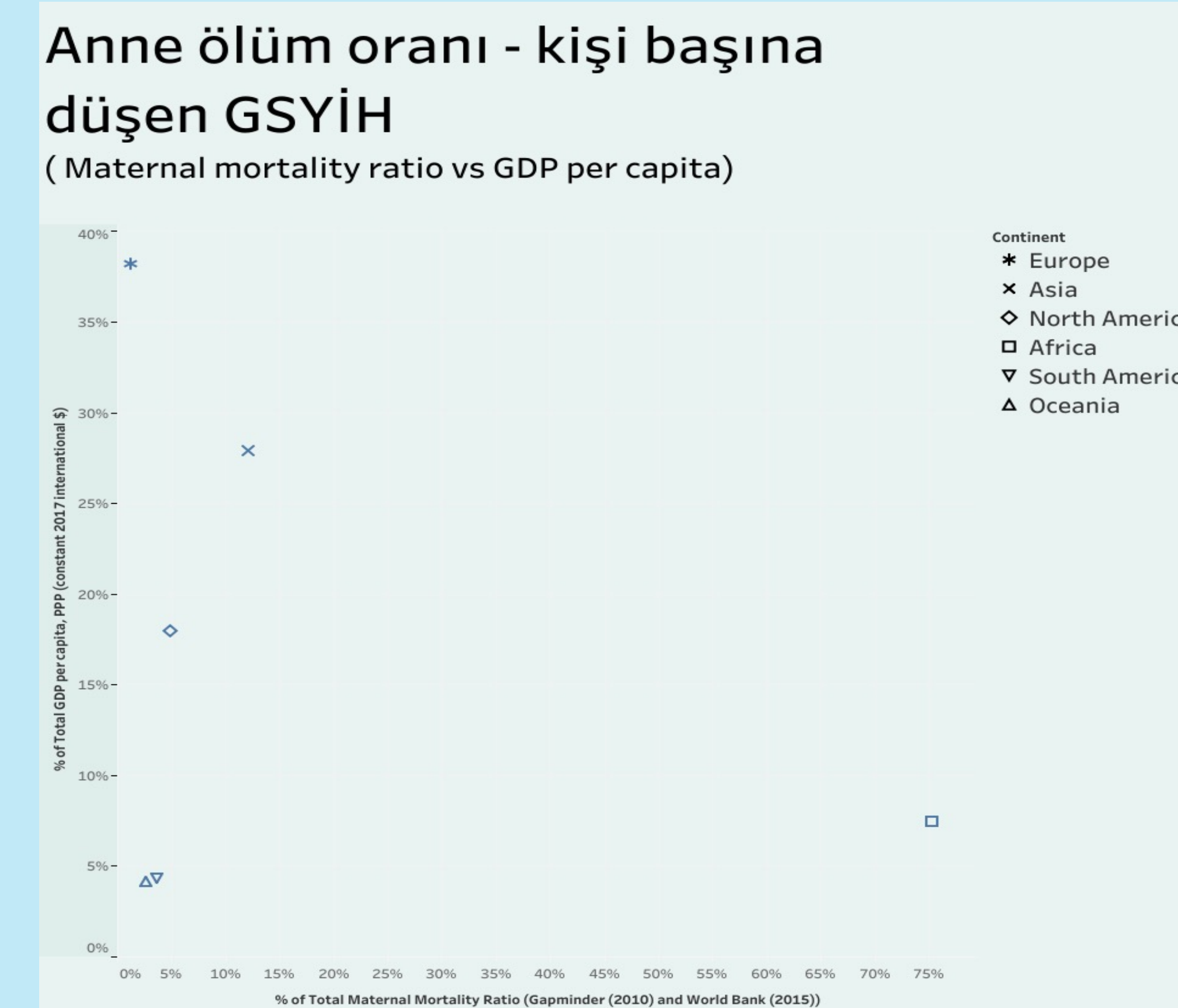


This graph Shows maternal deaths by income Level.



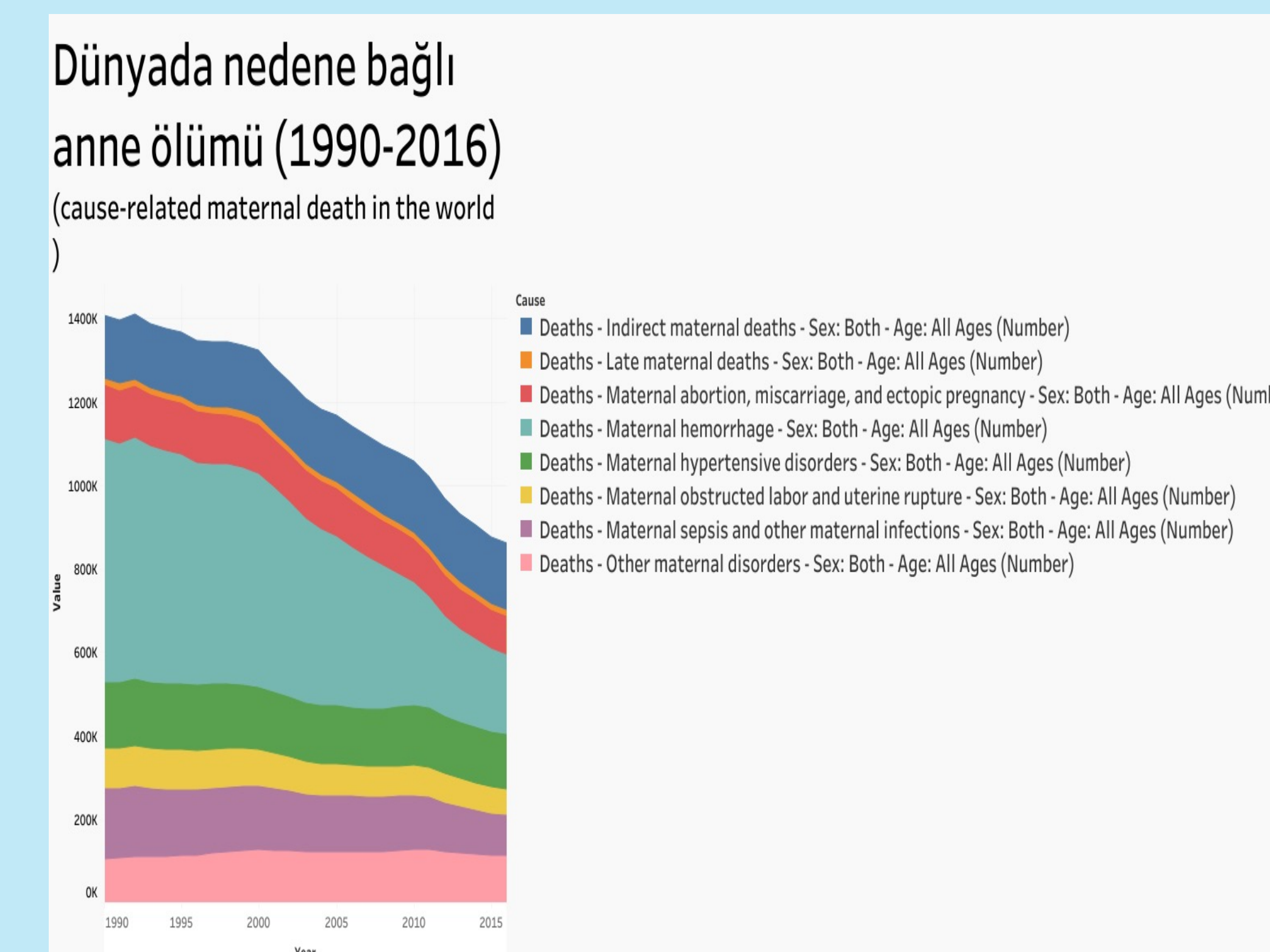
Maternal deaths vs Income per capita

Below graph is showing the maternal deaths vs GDP. And is obvious that the maternal deaths depends on GDP per capita of the continent.



Maternal deaths by cause

As we stated in the introduction of this project the purpose is to know the main cause maternal deaths.



Conclusion

on the first graph by we have seen that high Number of the maternal deaths is in sub-saharan Africa, and choropleth map of maternal Deaths by country we have also high number of maternal deaths in middle African country like congo.and when you look at the chart of maternal deaths vs income per capita it is obvious that there is strong correlation between maternal mortality ratio and income per capita. the maternal mortality rate is lower in countries with higher incomes. and final we tried to visualize the Maternal deaths by cause and when we look at area Chart, we can see that hemorrhage is the main cause of maternal deaths in The world. Hemorrhage is bleeding from a damaged blood vessel. "If we can make maternal deaths as rare as they are in the healthiest countries, we can save almost 300,000 mothers each year" Researchers said.

References

<https://ourworldindata.org>

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