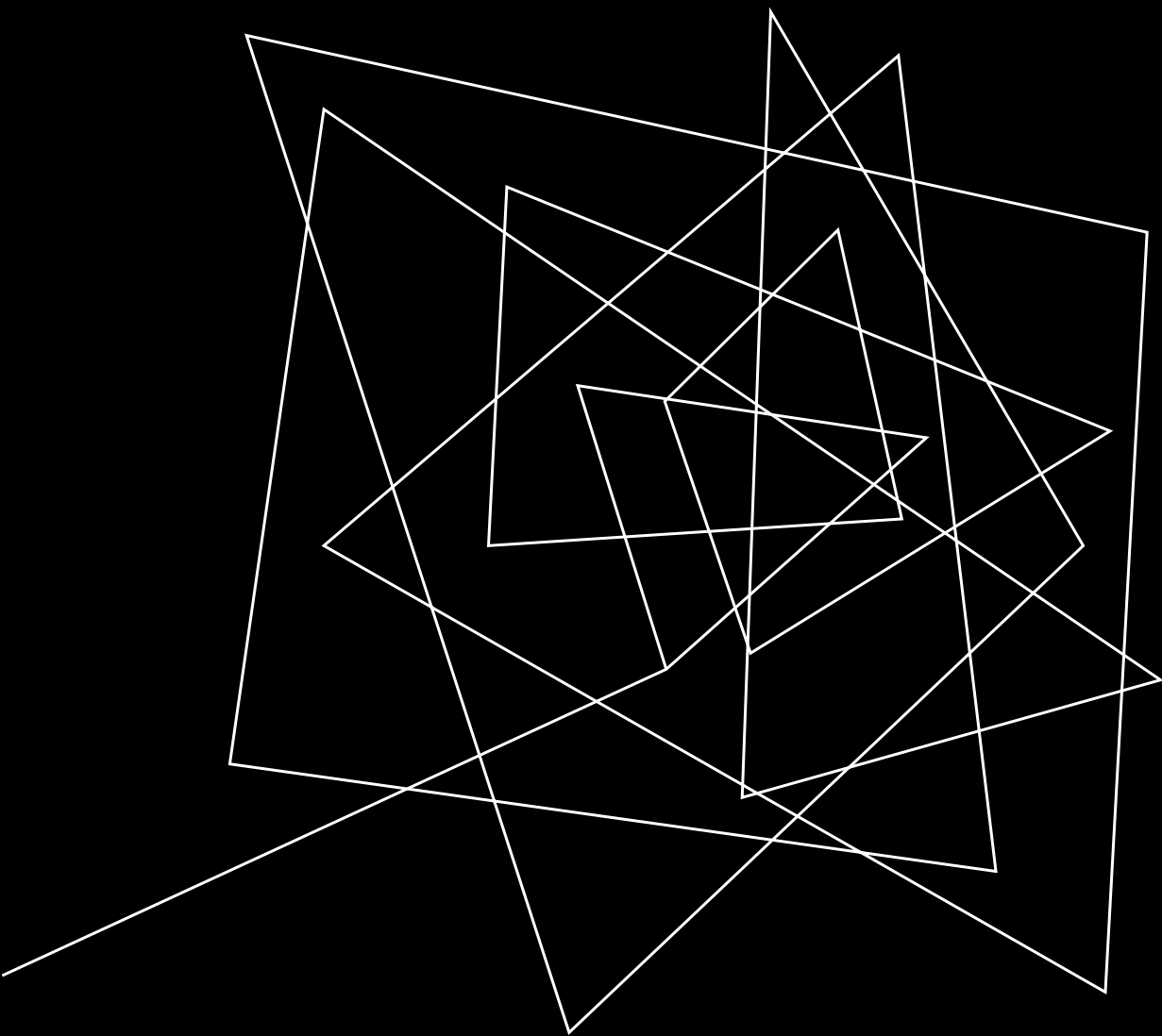


SUICIDES IN GREECE

Georgios Chalkiopoulos

INTRODUCTION

- The scope of the project is to study whether there is an increasing trend, regarding the suicide rate, for Greece and whether the behavior of Greece is different than the rest of the Europe.
- The data used was downloaded from [Eurostat](#).
- All plots were generated using R. The relevant code will be included in the zip file.

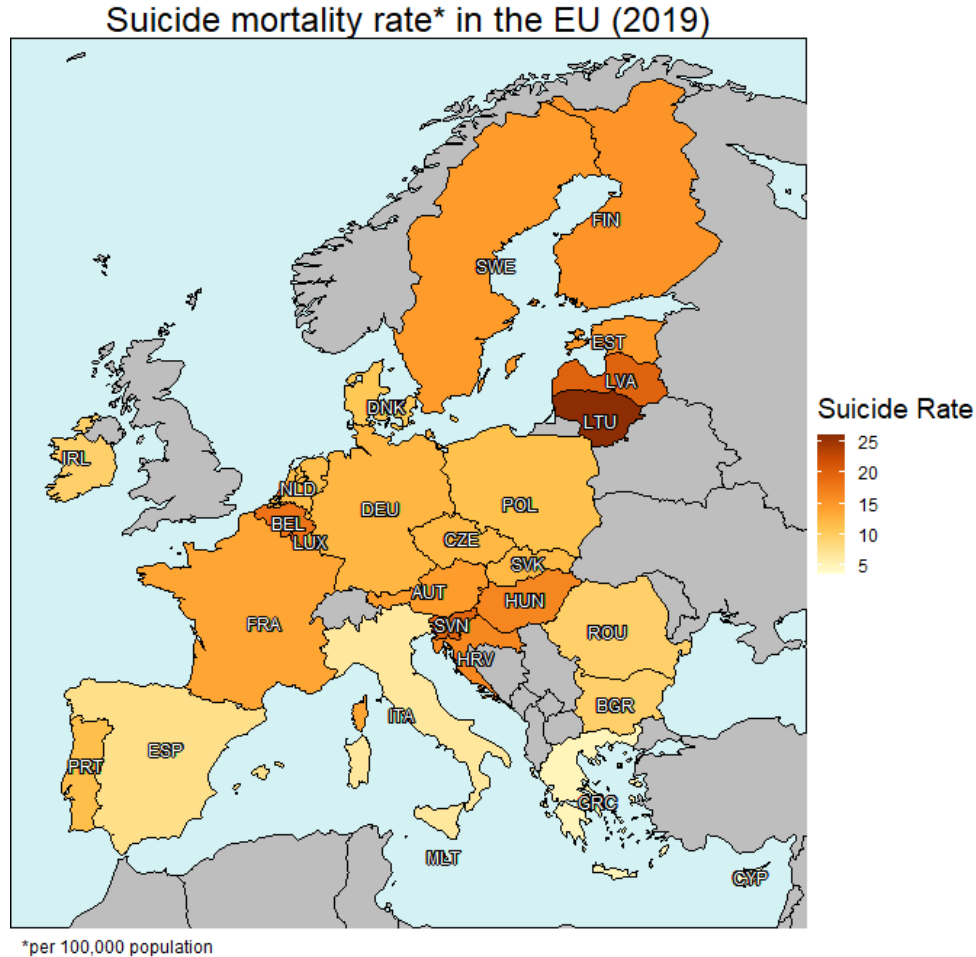


CURRENT STATUS

Comparison between countries (2019)*

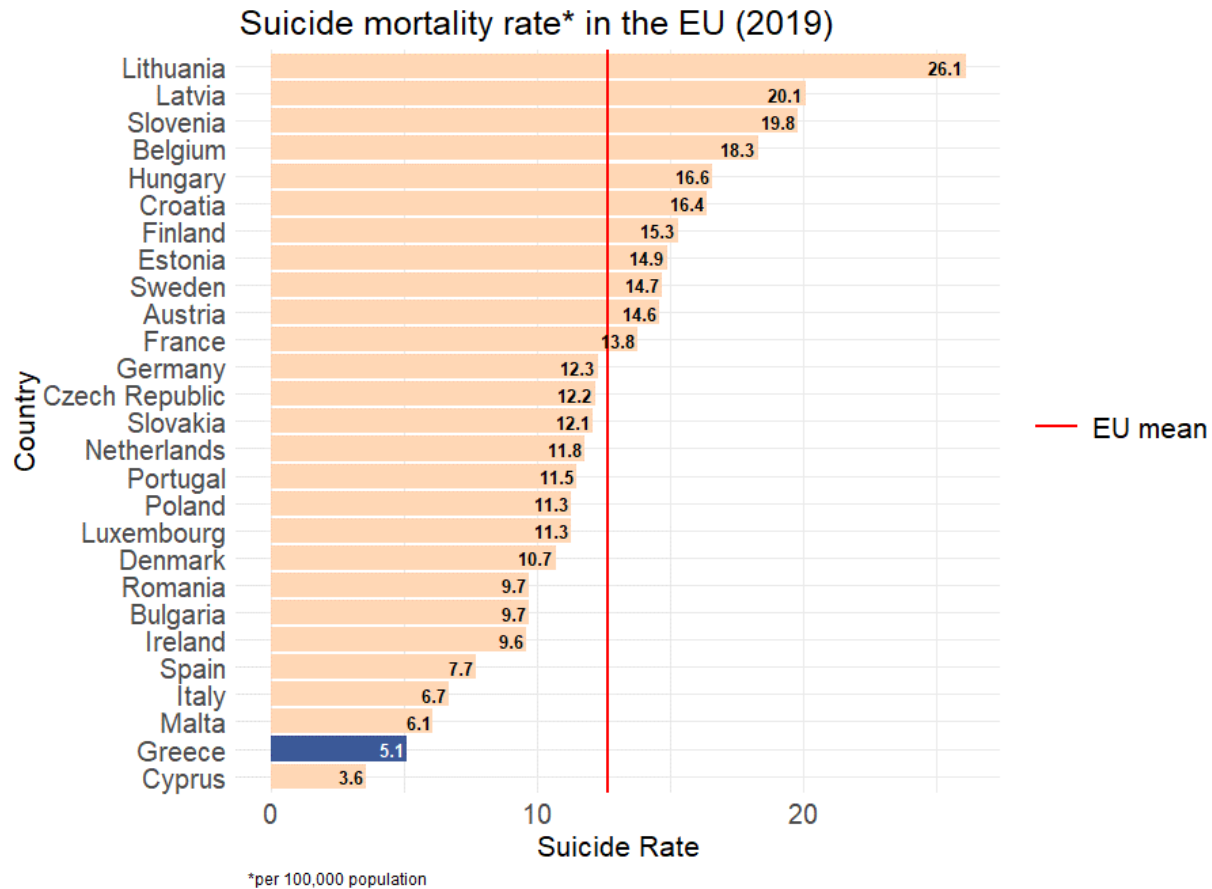
*2019 was used as the latest date with data available

Current Status: Overview



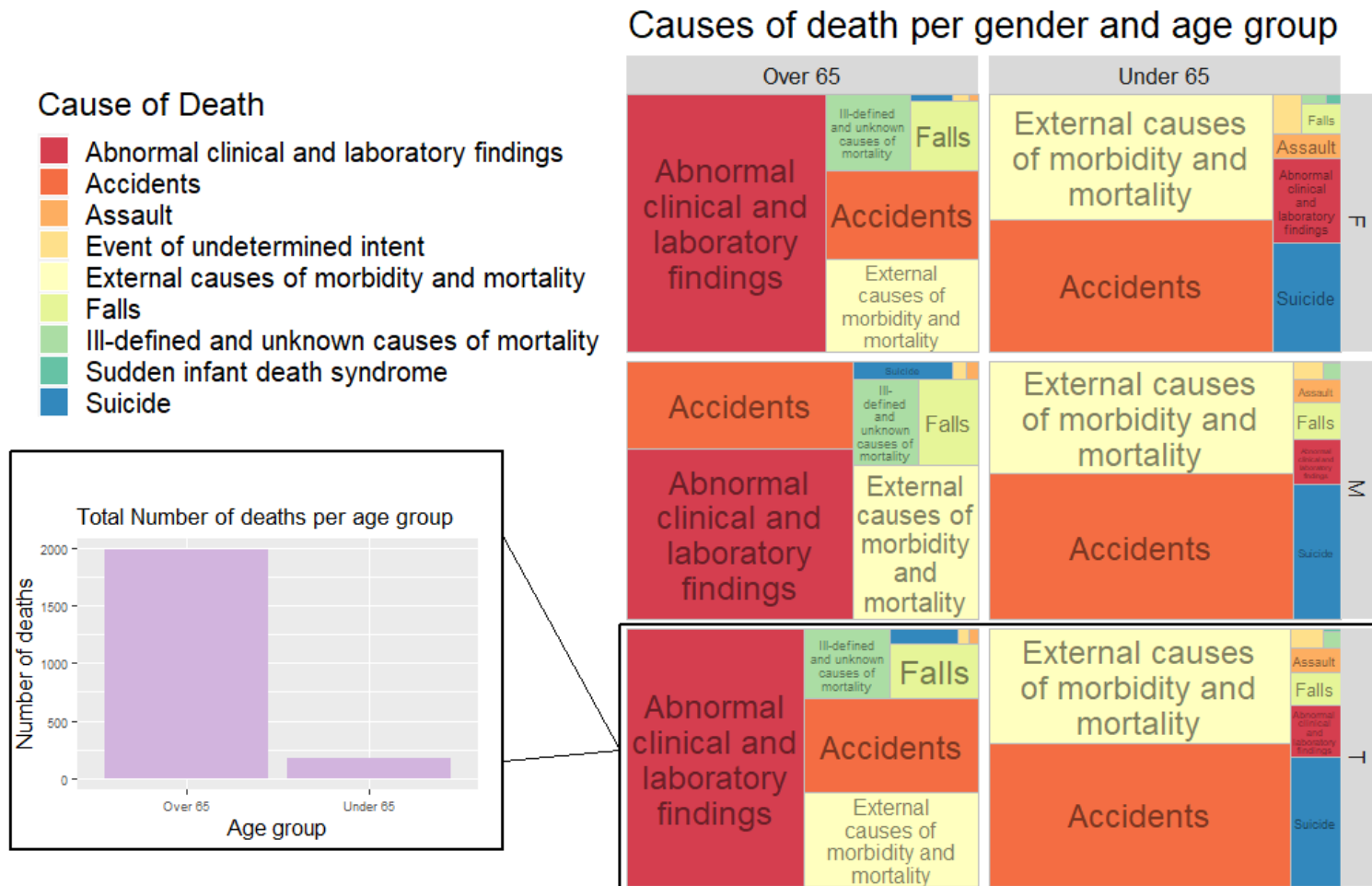
- Greece has one of the lowest suicide rates amongst EU countries
- Southern countries have a lower suicide rate compared to Northern ones

Current Status: Suicide rate in EU countries (2019)

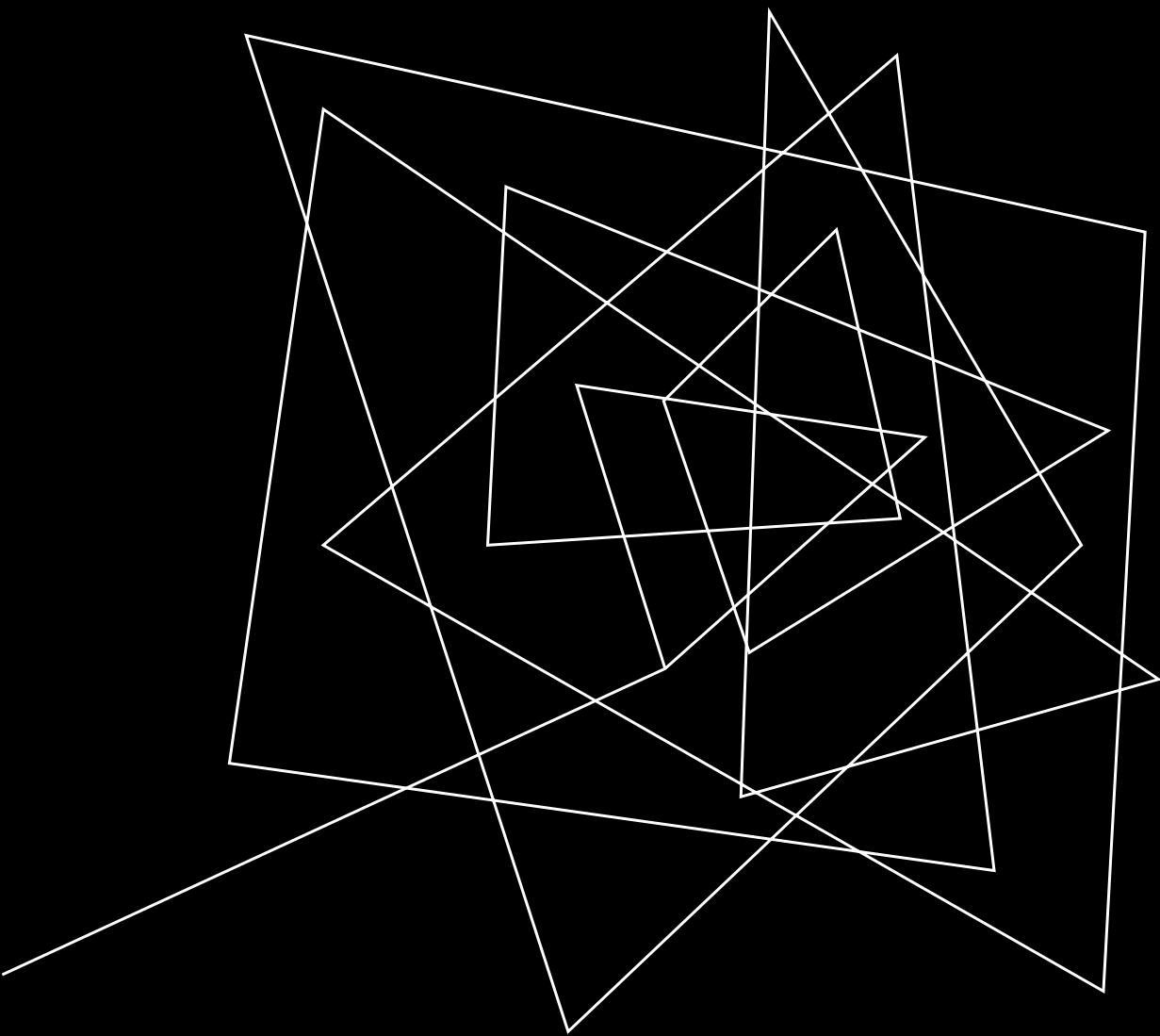


- Greece has the 2nd lowest suicide rate, after Cyprus
- The suicide rate is more than twice lower than the mean

Current Status: Causes of death



- Looking at the causes of death, we observe that suicide is the 3rd most common cause of death amongst people less than 65 years old, while it is not that common for people above 65
- The absolute number of deaths in people over 65 is much larger compared to the “Under 65” group
- People over 65 suffer more from medical issues, compared to younger people

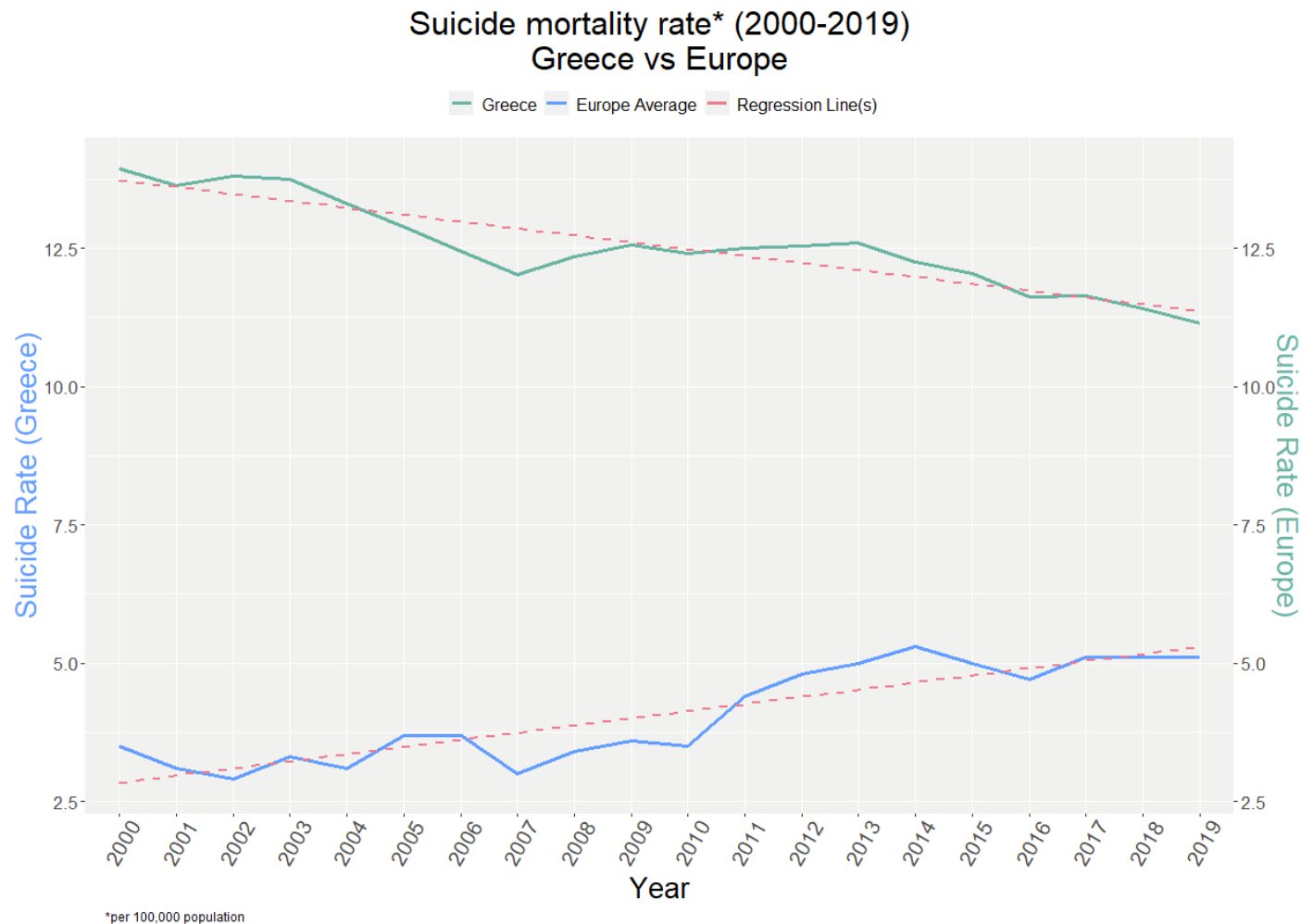


HISTORICAL DATA

Evolution of suicide death rate over the years*

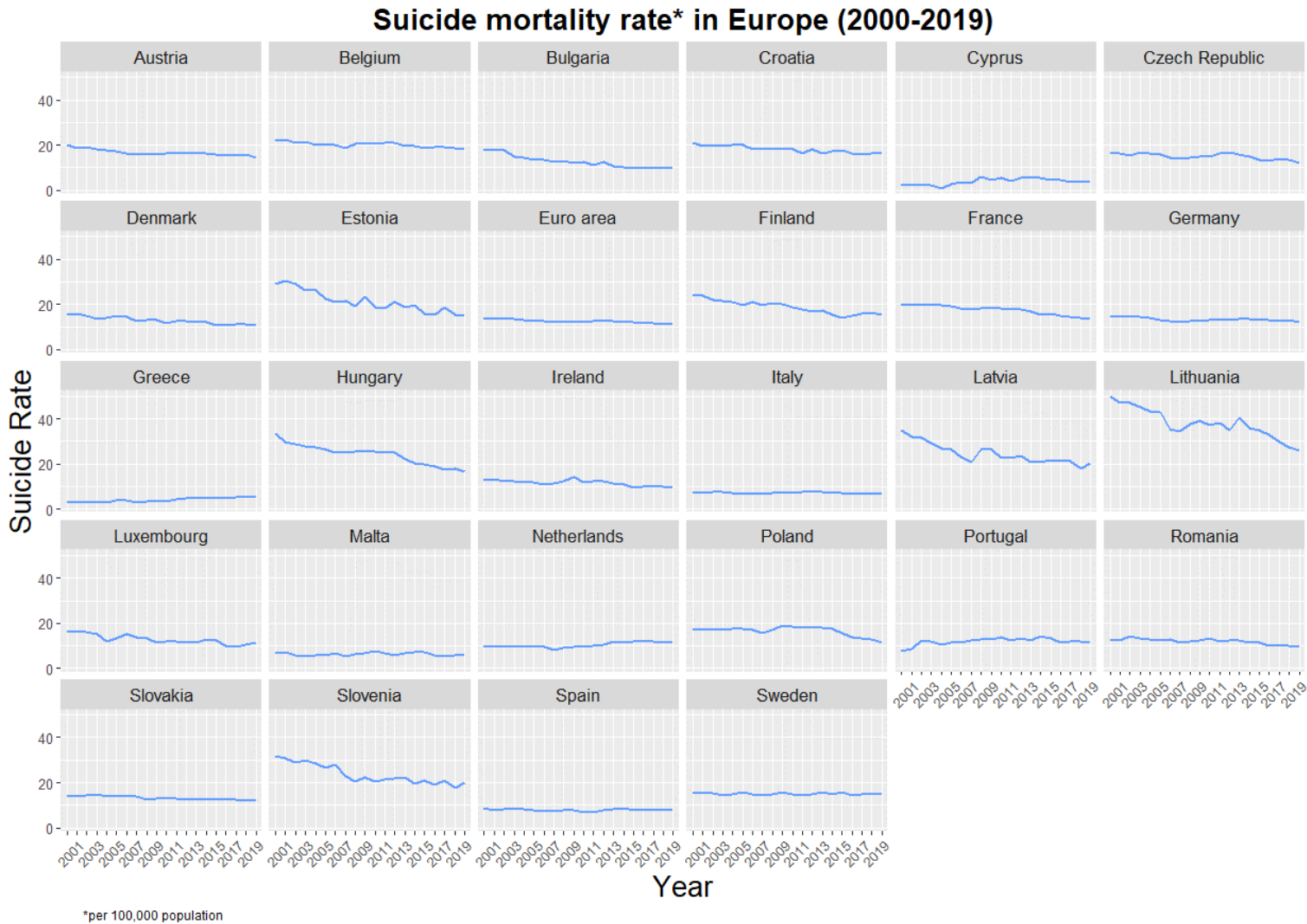
*2000-2019 period

Historical data: Greece vs Europe (2000-2019)



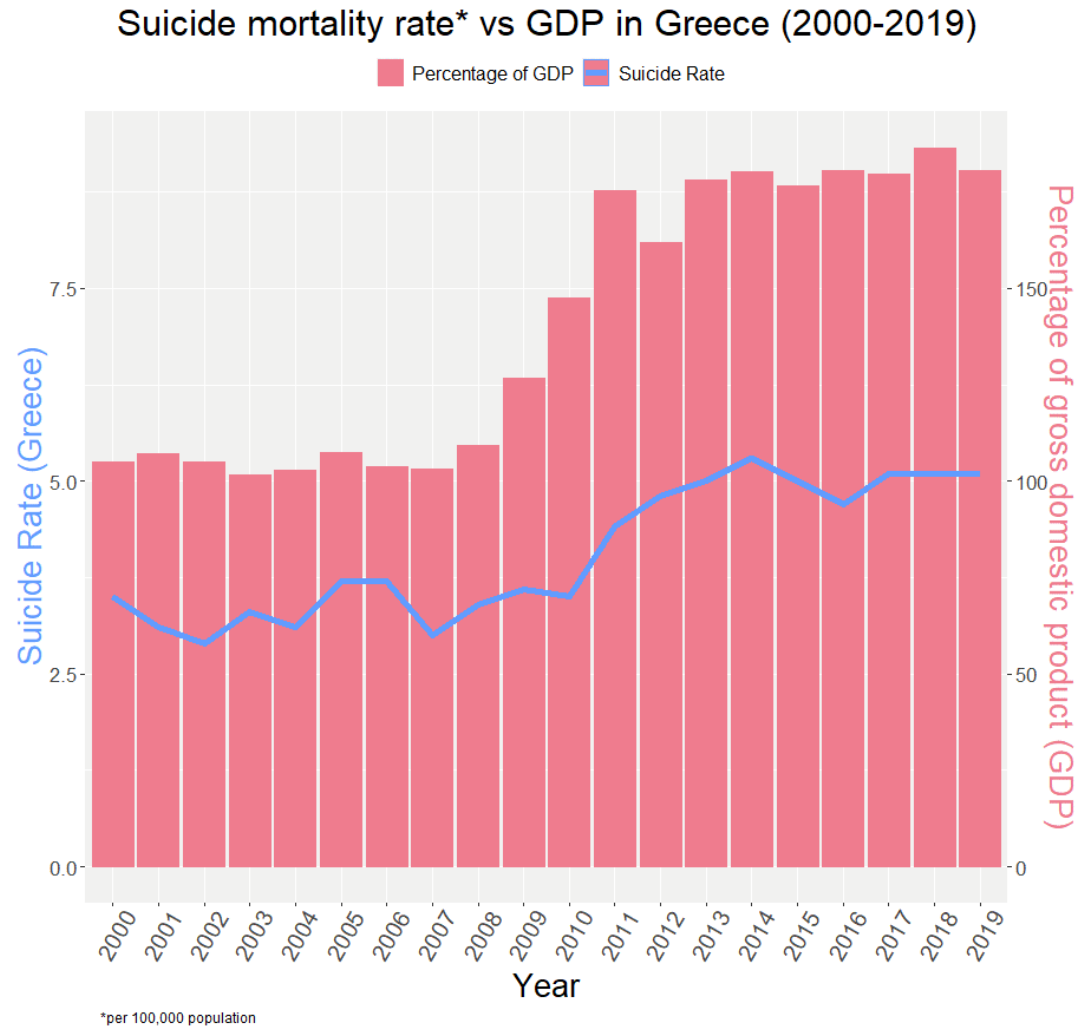
- While Europe presents a downwards trend, regarding the number of suicides, Greece has an upward trend over the last years
- Before 2010 the rate was relatively constant, but stating 2010 the average rate has doubled

Historical data: Mortality rate per country per year

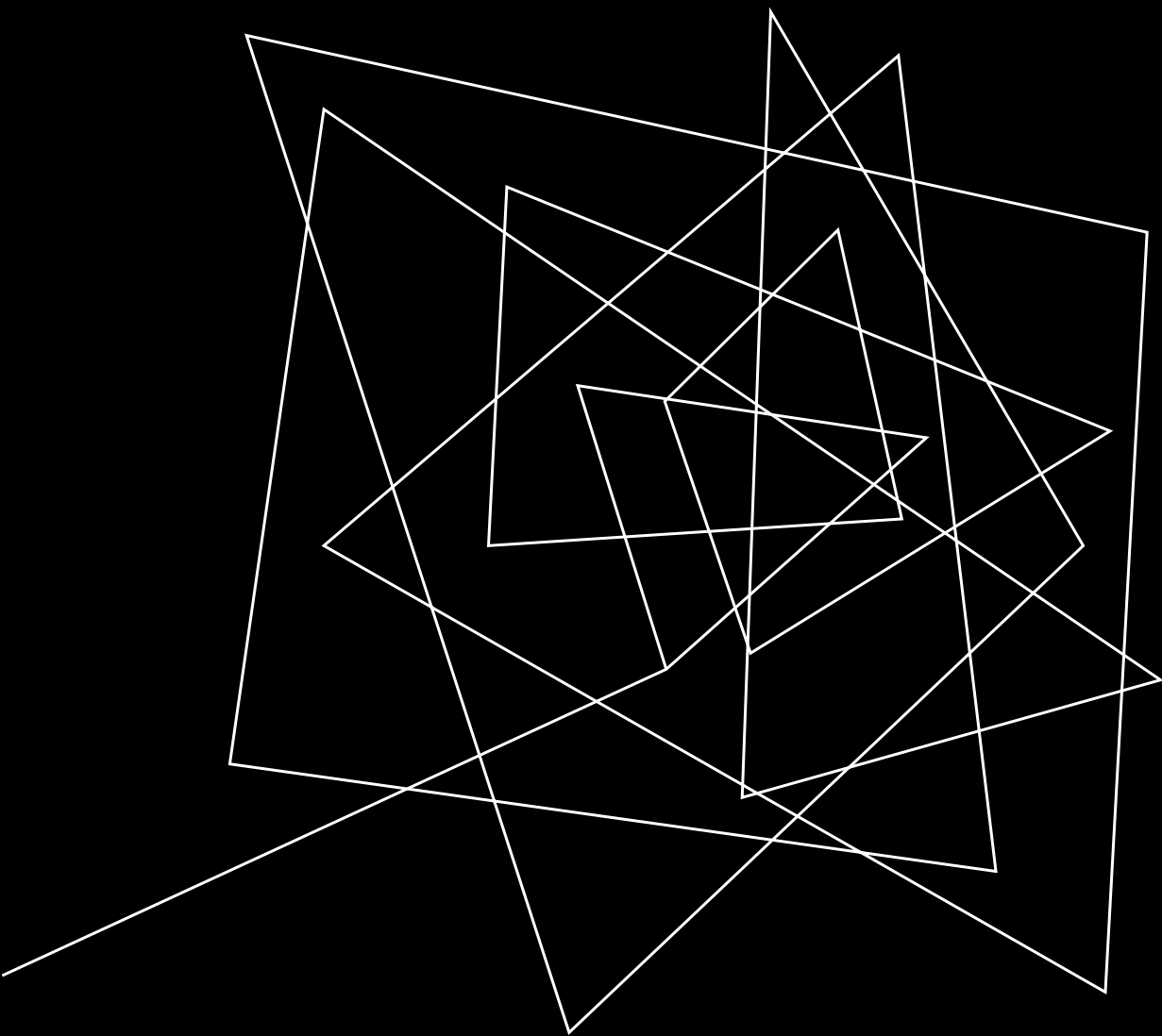


- Greece is the only country in Europe to have a clear increase in suicide rate over the last decade

Historical data: Mortality rate vs GDP in Greece



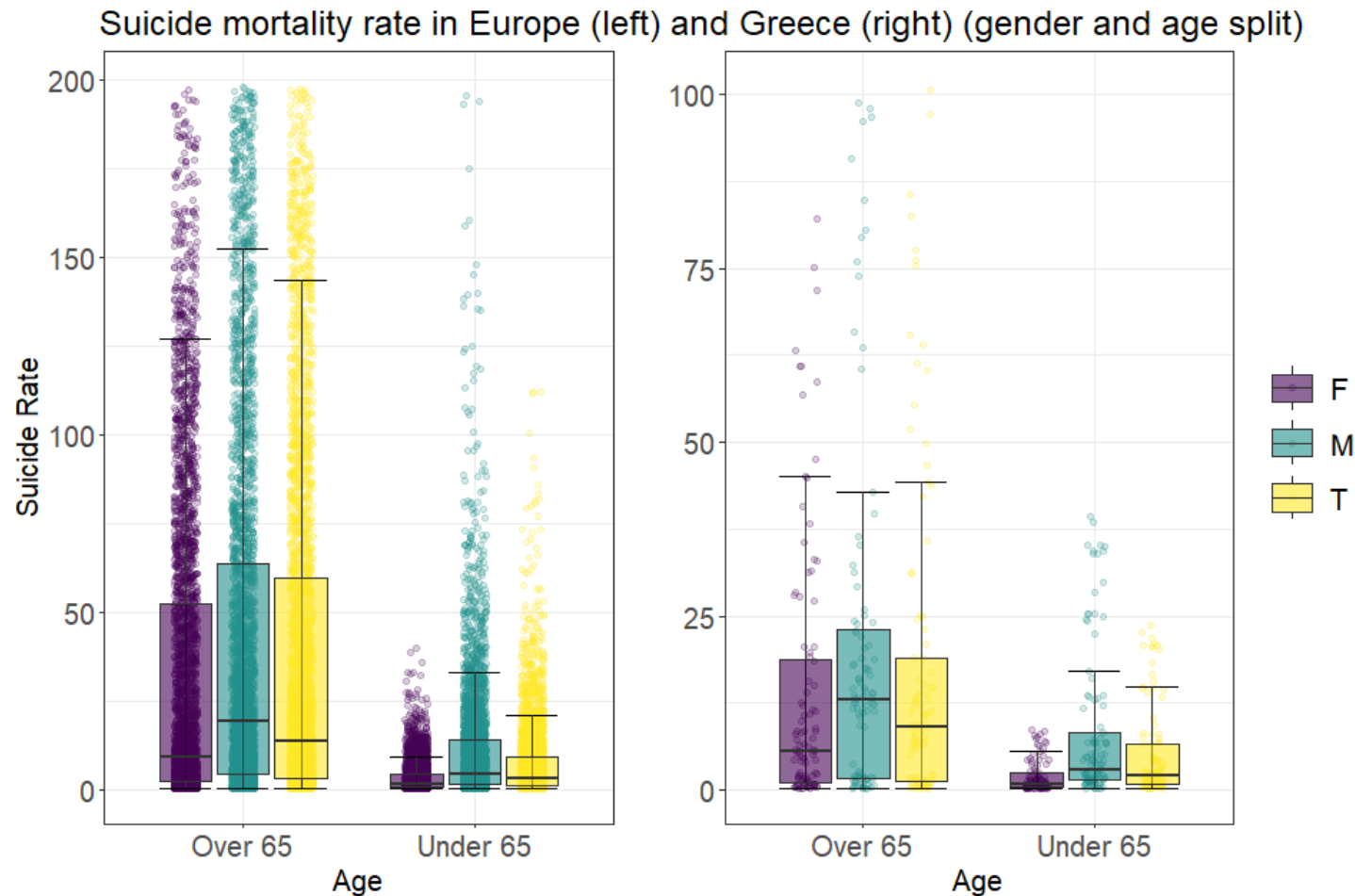
- It looks like the situation in Greece after 2010 has an impact on the suicide rate
- Since 2010, that the GDP increased and Greece went through a crisis, the suicide rate drastically increased



GENDER AND AGE

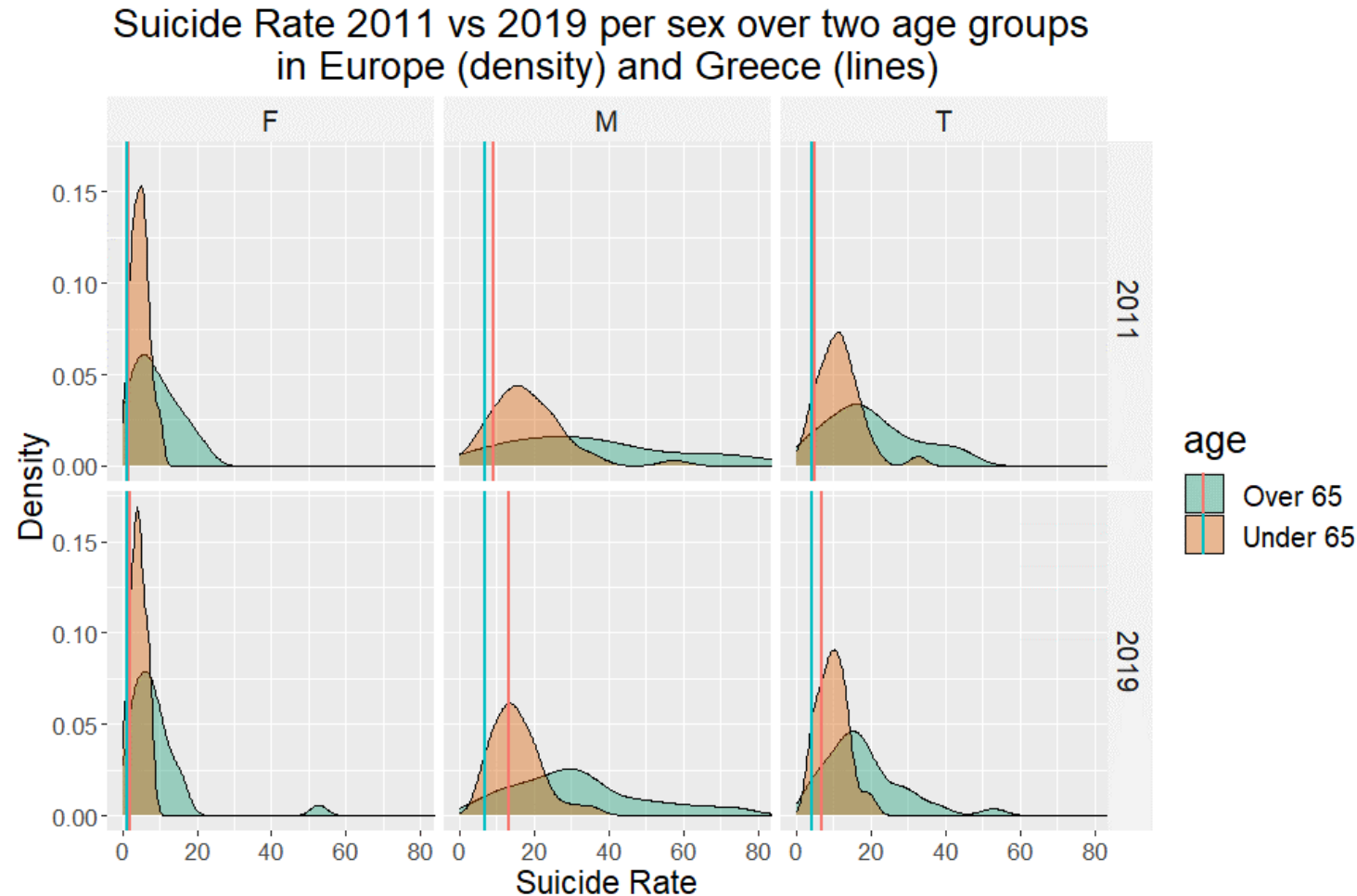
Differences between age and gender groups*

Gender and age: Suicide Rate Europe and Greece



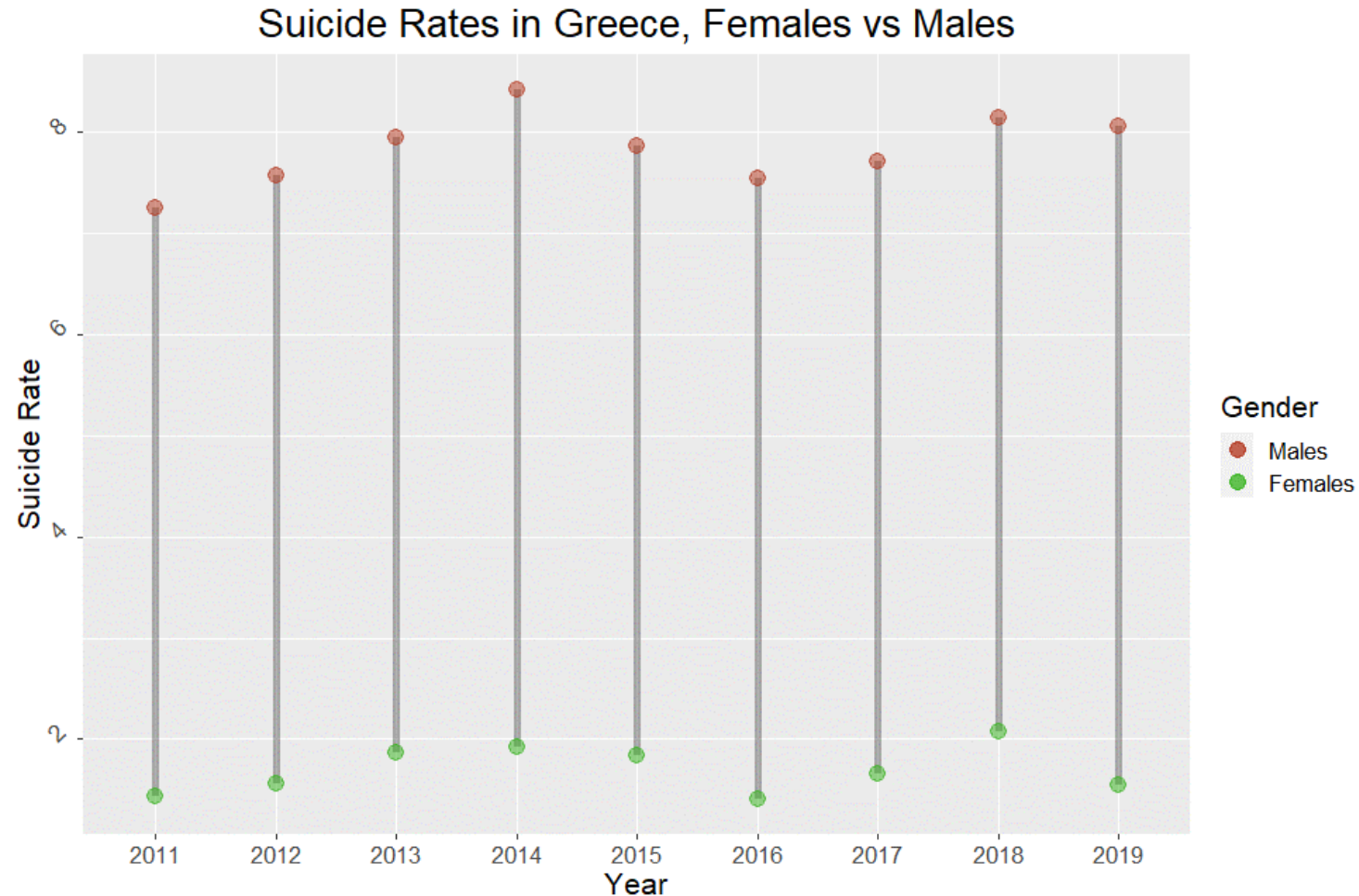
- Greece follows the same pattern as the rest of Europe:
- More people commit suicide in the “Over 65” age group and
- Male suicide rate is higher compared to Female

Gender and age: Suicide Rate in Greece 2011 vs 2019

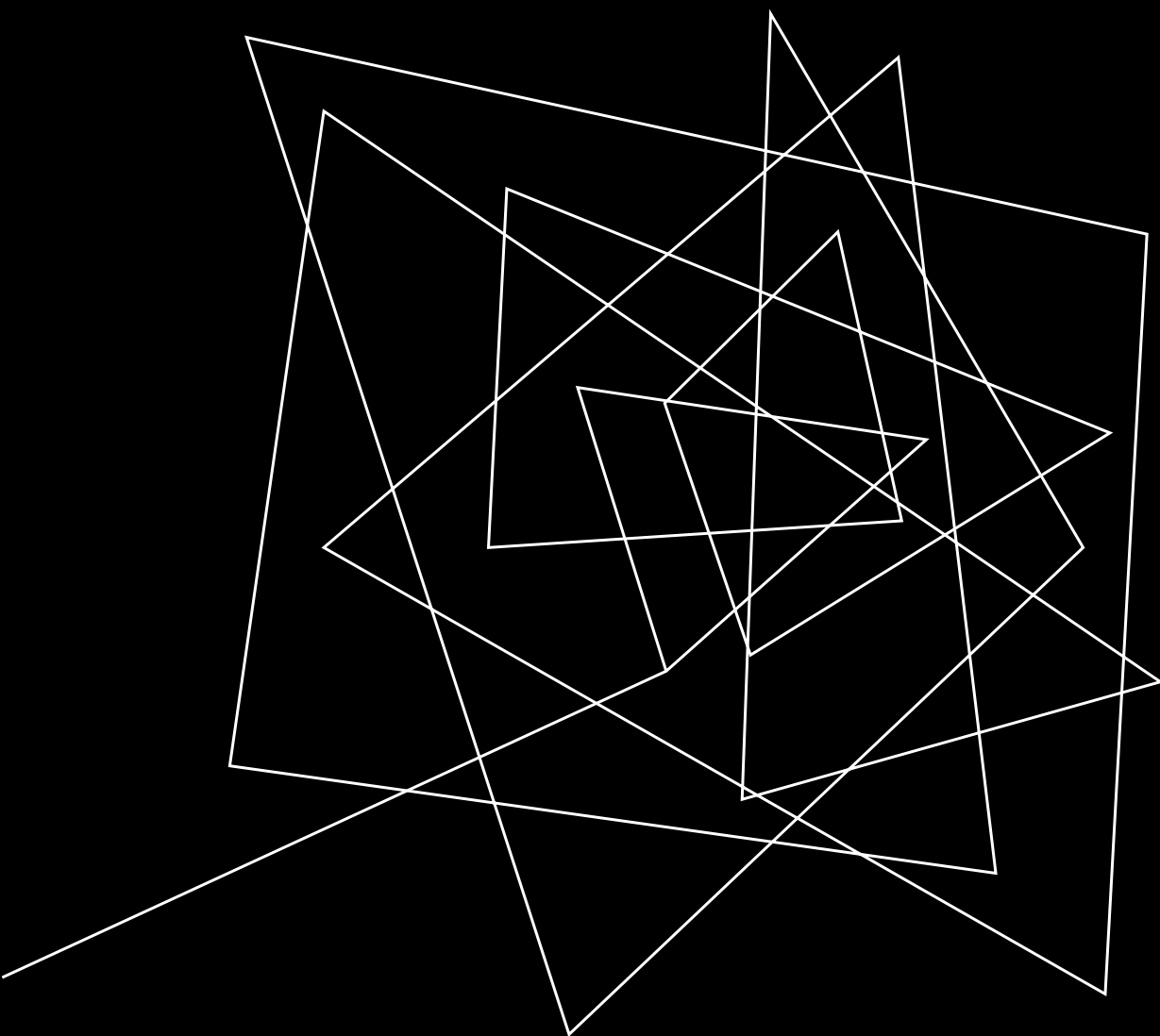


- All countries in Europe have decreased the suicide rate from 2011 to 2019
- Greece has seen a significant increase in Males over 65
- 5% quantiles have been excluded for the graph

Gender and age: Greece Males vs Females 2011-2019



- Both Males and females follow the same pattern per year
- The difference is constant over the years

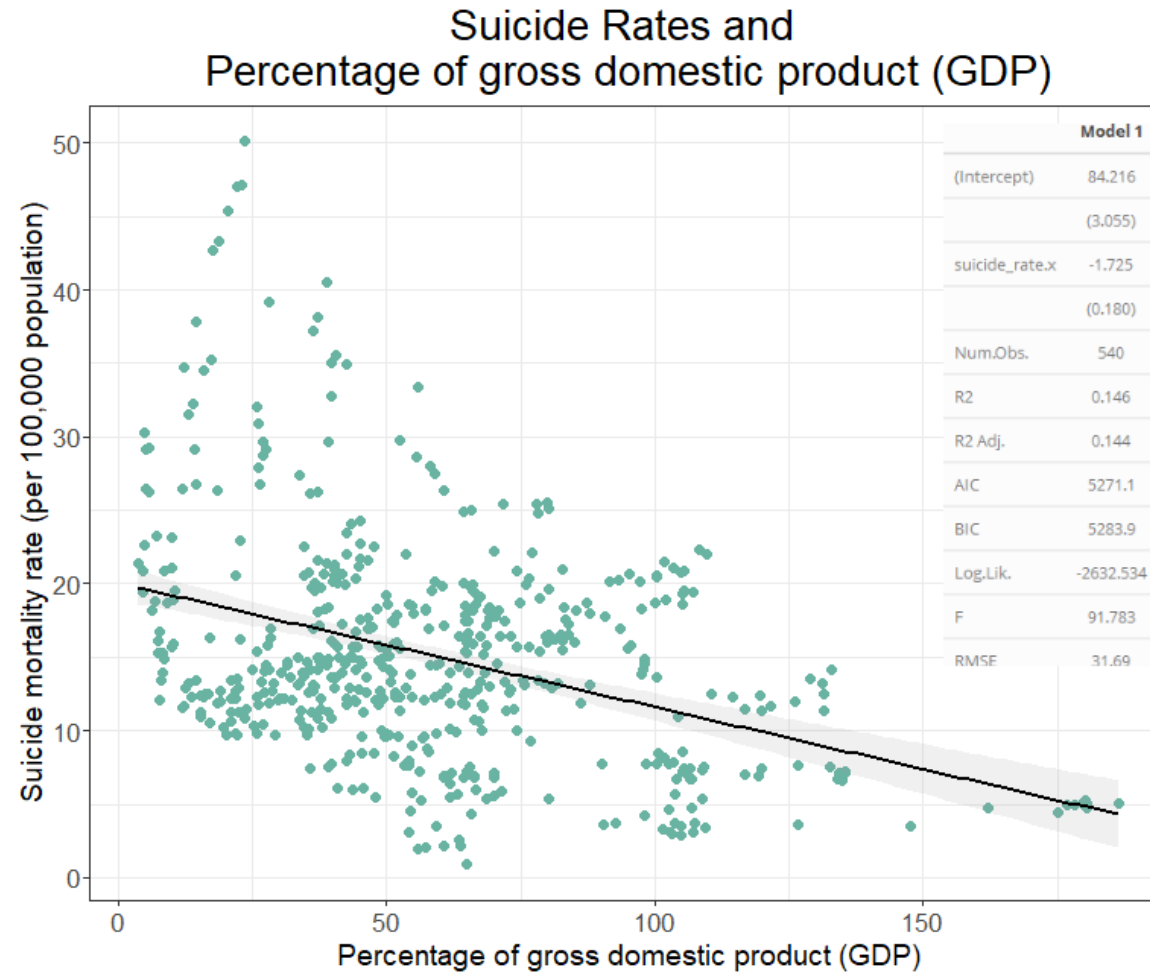


GDP & SUICIDE RATE

Correlation between GDP & suicide RATE*

*2000-2019 period

GDP & Suicide Rate: Country wealth and Suicides



- It seems that the wealthier countries have a higher suicide rate compared to less wealthy
- The two variables seem to be correlated

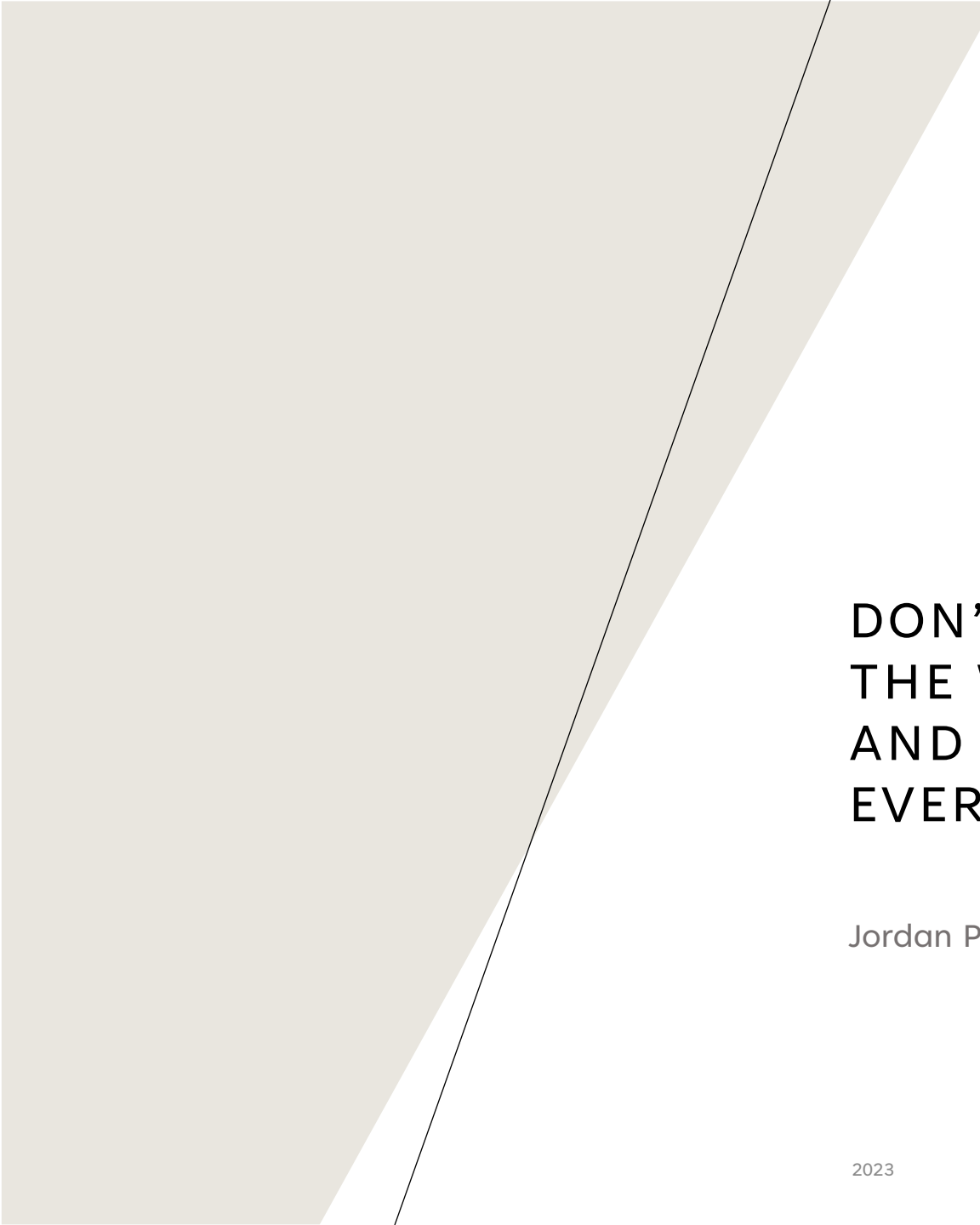


SUMMARY

While suicides have been on the decrease in Europe, Greece has seen an increase, which started after 2010.

The biggest increase was observed amongst men above 65, while, even in the lower age groups, men have a higher suicide rate than women.

Nevertheless, Greece has still one of the lowest suicide rates in Europe but should take measures to stop the increasing rate.



DON'T UNDERESTIMATE YOUR VALUE IN
THE WORLD. YOU OWE IT TO YOURSELF —
AND TO YOUR FAMILY — TO LOOK AT
EVERY POSSIBLE ALTERNATIVE.

Jordan Peterson



THANK YOU

Georgios Chalkiopoulos

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