

# MORTALITY CONVERGENCE AND DIVERGENCE TENDENCIES IN SELECTED EUROPEAN COUNTRIES

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# Development of life expectancy since the second half of the 20<sup>th</sup> century in Europe

- ⦿ Unprecedented growth of life expectancy during the 20<sup>th</sup> century
  - Irregular in time and space
- ⦿ Convergence of life expectancy from 1950s till mid-1960s
- ⦿ Since 1970s divergence of life expectancy
- ⦿ " The divergence between east and west is a major aspect of European demography at the end of the 20<sup>th</sup> century." (Meslé, Vallin)

# Data

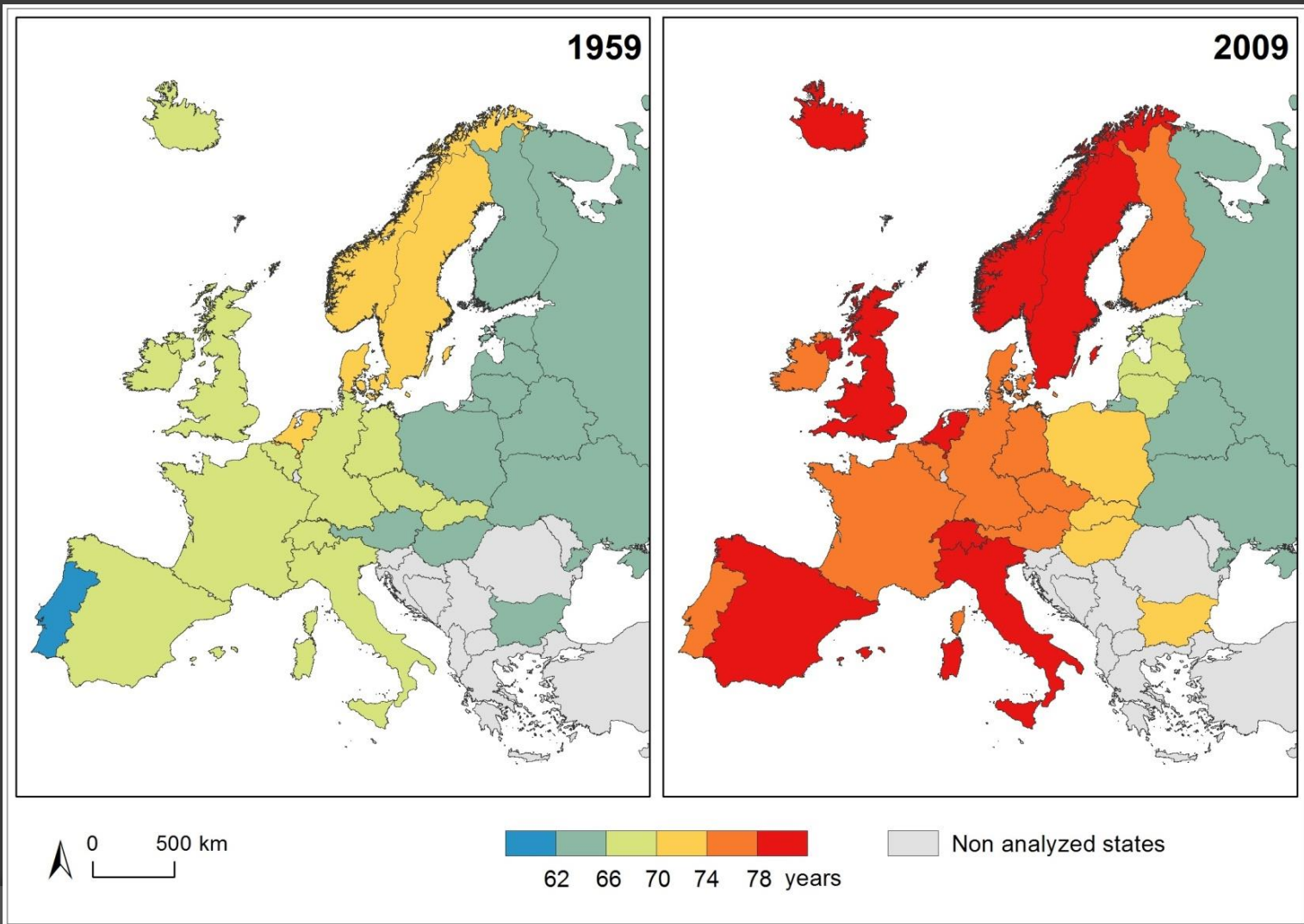
- Human Mortality Database
- 28 countries (including East and West Germany)
- Results for males



# Common statistics and measures

- Change of life expectancy between 1959–2009
- Boxplots

# Life expectancy in selected European countries, 1959, 2009, males

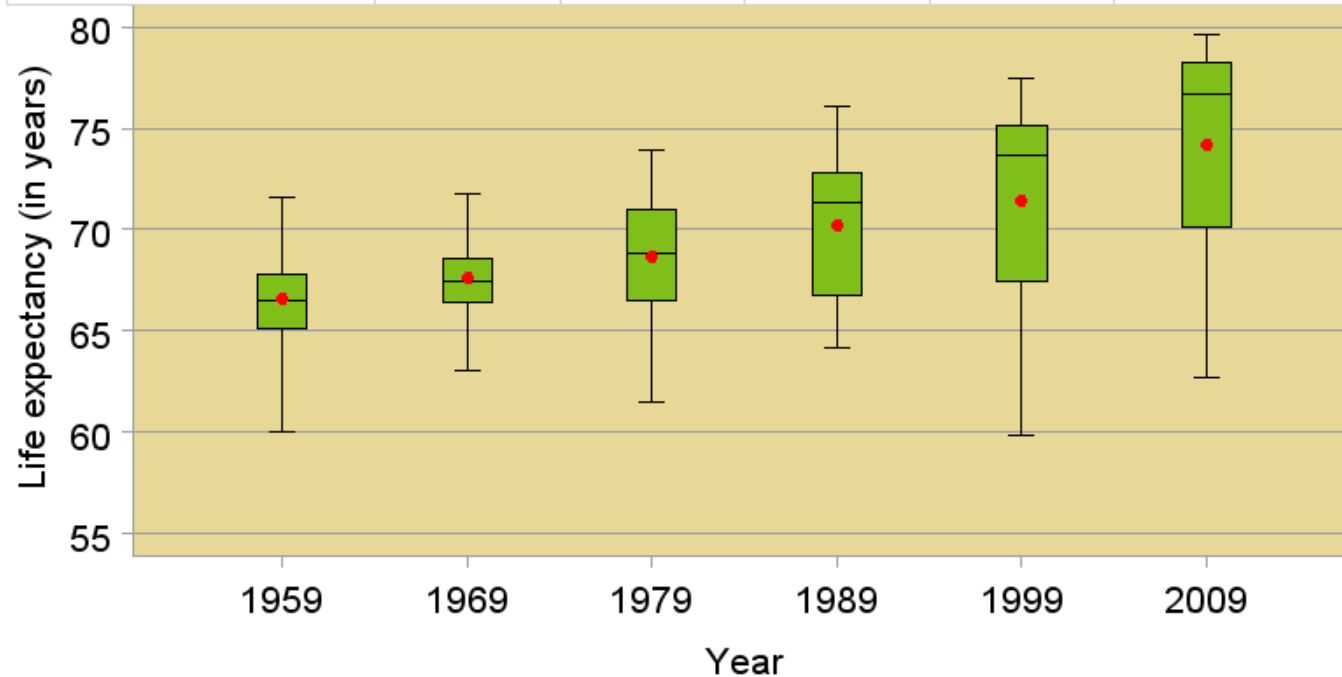


# Change of life expectancy in selected European countries (in years), between 1959–2009, males



# Basic statistics of life expectancy in selected European countries, 1959, 1969, 1979, 1989, 1999, 2009, males

Basic statistics						
Min	60.0	63.1	61.5	64.2	59.9	62.7
Max	71.6	71.7	74.0	76.1	77.4	79.7
Mean	66.6	67.6	68.7	70.2	71.4	74.2
Q1	65.1	66.4	66.5	66.8	67.4	70.2
Q2	66.5	67.5	68.9	71.4	73.6	76.7
Q3	67.8	68.6	71.0	72.8	75.1	78.3





# Population weights

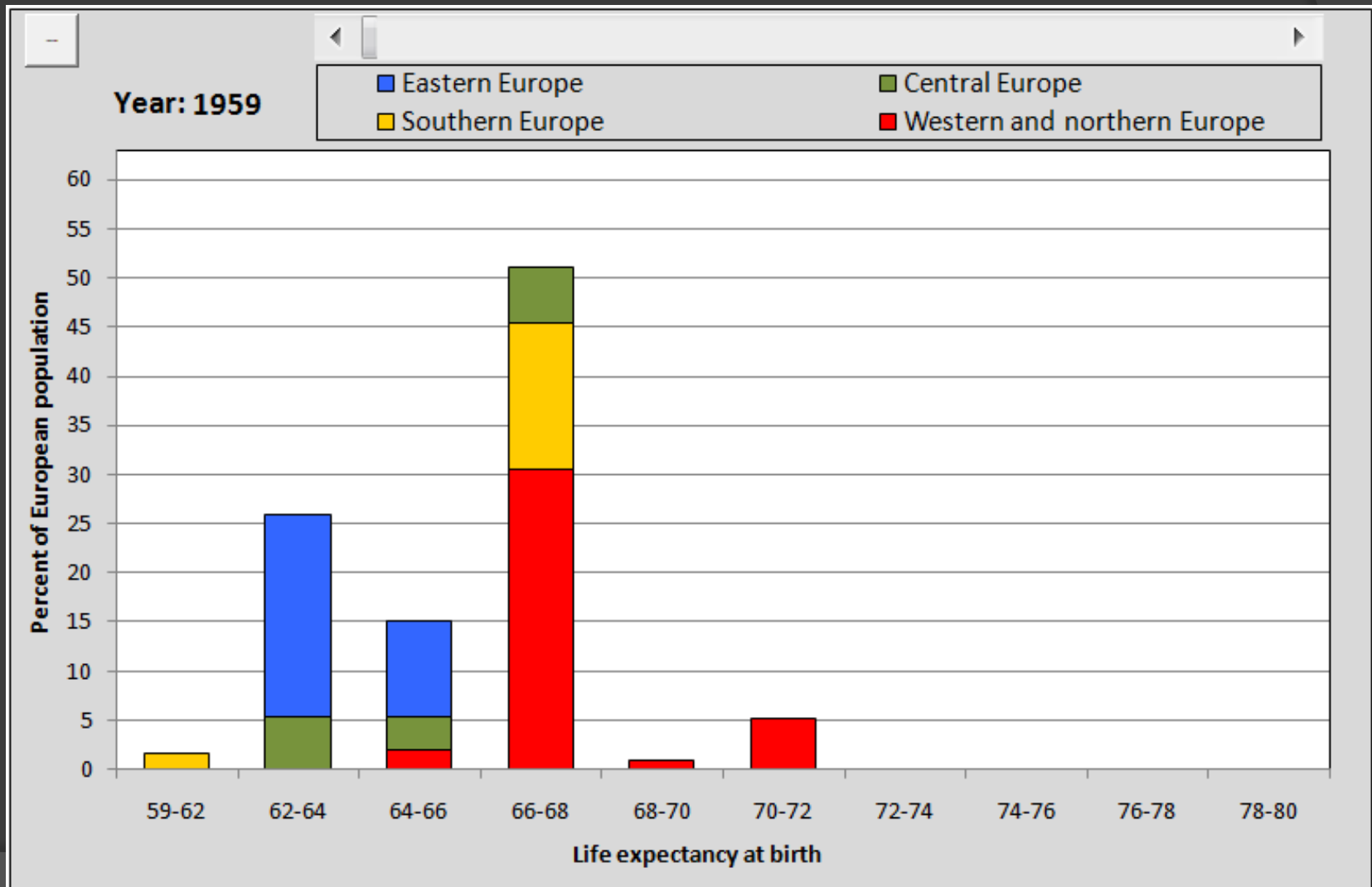
- Percent of European population at each level of life expectancy at birth, by type of country

# Division of European countries into regions

- ⦿ Western and northern Europe
- ⦿ Southern Europe
- ⦿ Central Europe
- ⦿ Eastern Europe



# Percent of European population at each level of life expectancy at birth, by type of country, 1959, males



# Conclusion

- Presented charts and maps demonstrate development of life expectancy in Europe since the second half of the 20<sup>th</sup> century
- This development can be examined also by measures that take into account population size

**THANK YOU FOR YOUR ATTENTION!**