

Reduction in remaining life expectancy due to COVID-19 deaths

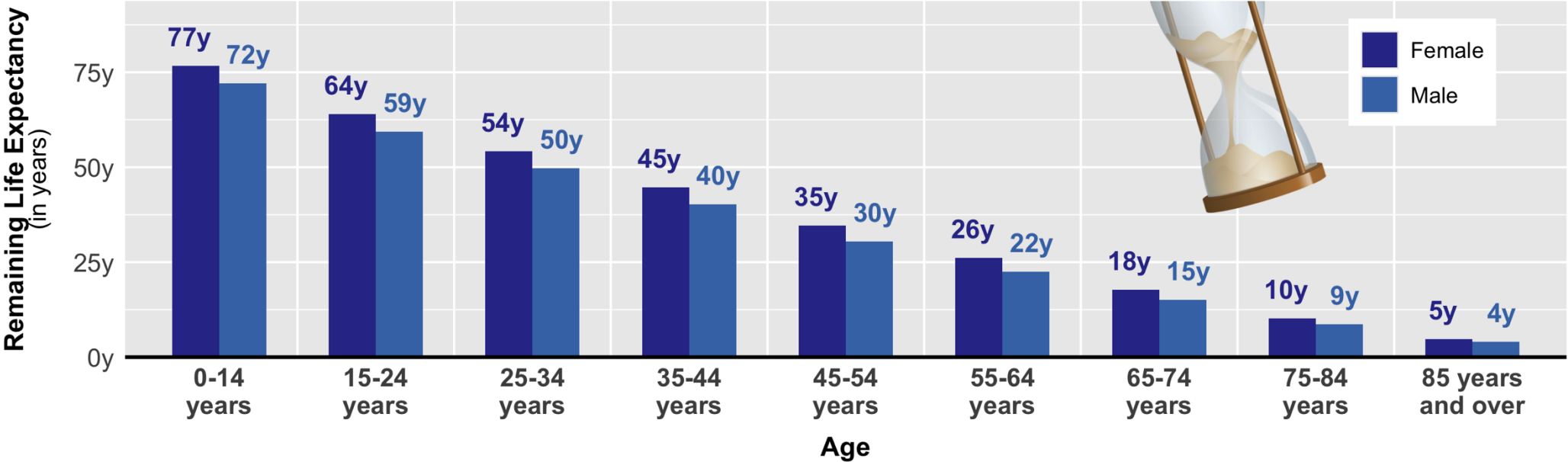
Version Nr. 8

Telling Stories with R and Data Visualizations | Project Presentation

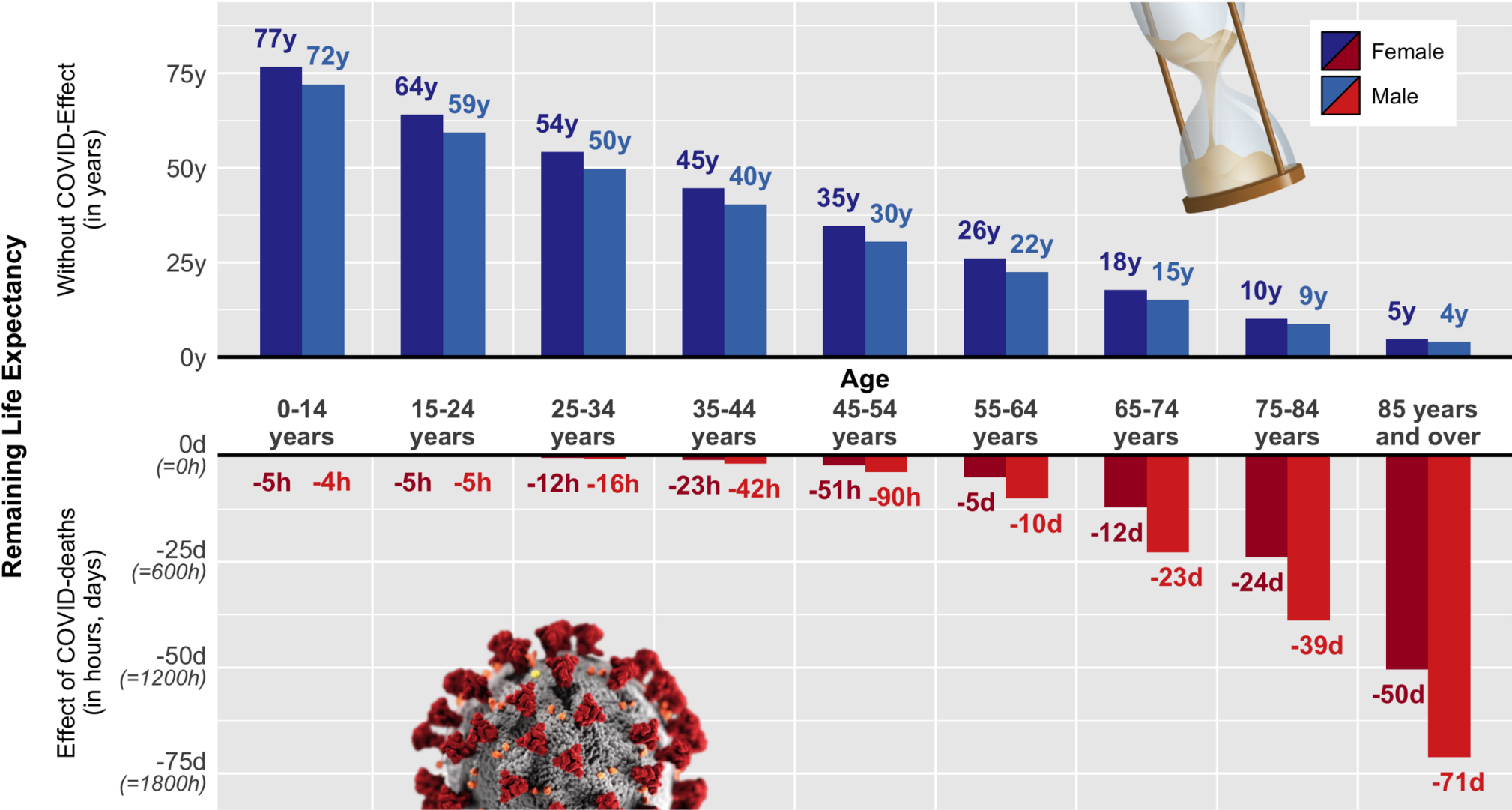
Supervisor: Dr. Jan Zilinsky

Students: Benjamin Willnecker, Thy Duong

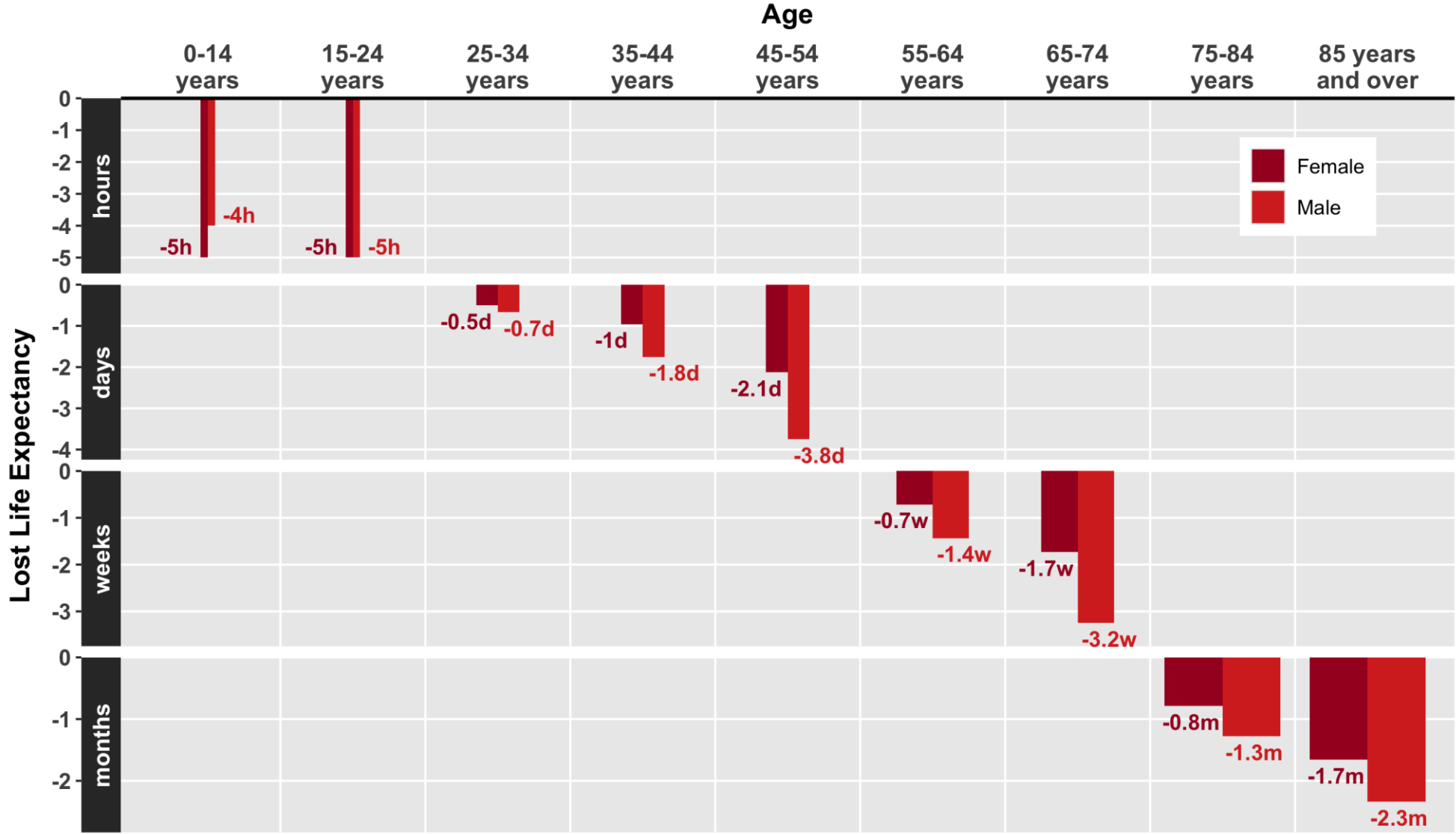
Remaining Life Expectancy of Age Groups



Average remaining life expectancy and the effect of COVID-19 deaths on it



Loss of Life Expectancy due to COVID-19 Deaths by Age Group



Research Question: How have COVID-19 deaths affected age-specific remaining life expectancy?

New Perspective:



Case



Time

More time lost?



Younger → Higher remaining life expectancy → Greater time lost due to COVID-19 deaths despite fewer cases?

Less time lost?



Older → Lower remaining life expectancy → Lower time lost due to COVID-19 deaths despite more cases?

Three data sets from Destatis were used to calculate the average loss of life expectancy by age group.



Life expectancy

Gender

Age Year

Covid deaths

Gender

Age Group

Population

Gender

Age Year

**Average loss of life
expectancy by age group**

**(life expectancy per age group * number of COVID-19 deaths per age group)
/ Population size per age group**



Version Nr. 8



<https://github.com/thybaoduongnguyen/COVID-life-time-reduction>

Backup

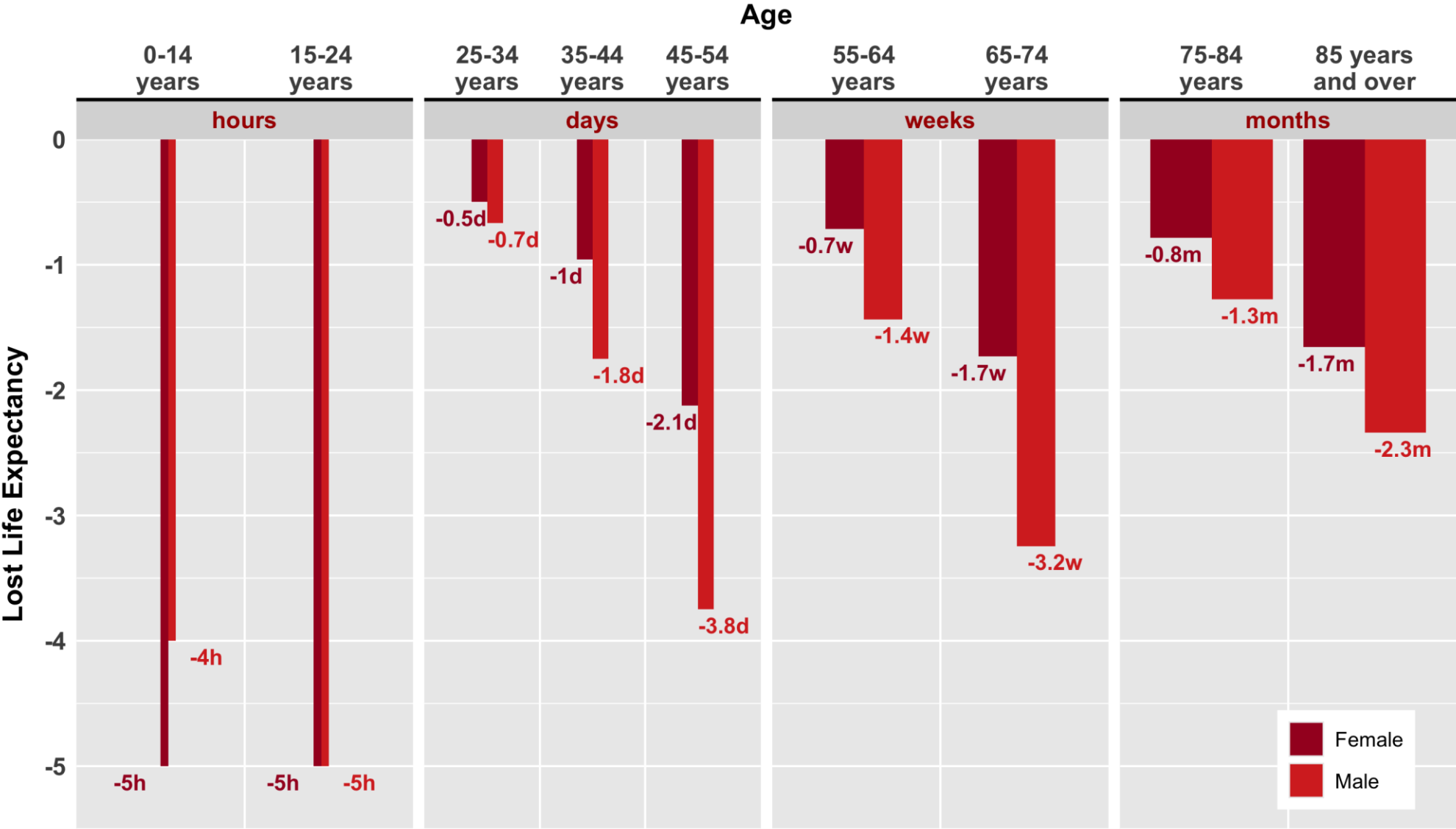
Version Nr. 8

Telling Stories with R and Data Visualizations | Project Presentation

Supervisor: Dr. Jan Zilinsky

Students: Benjamin Willnecker, Thy Duong

Loss of Life Expectancy due to COVID-19 Deaths by Age Group



Lost years of life expectancy due to COVID-19 deaths for each age group in total

