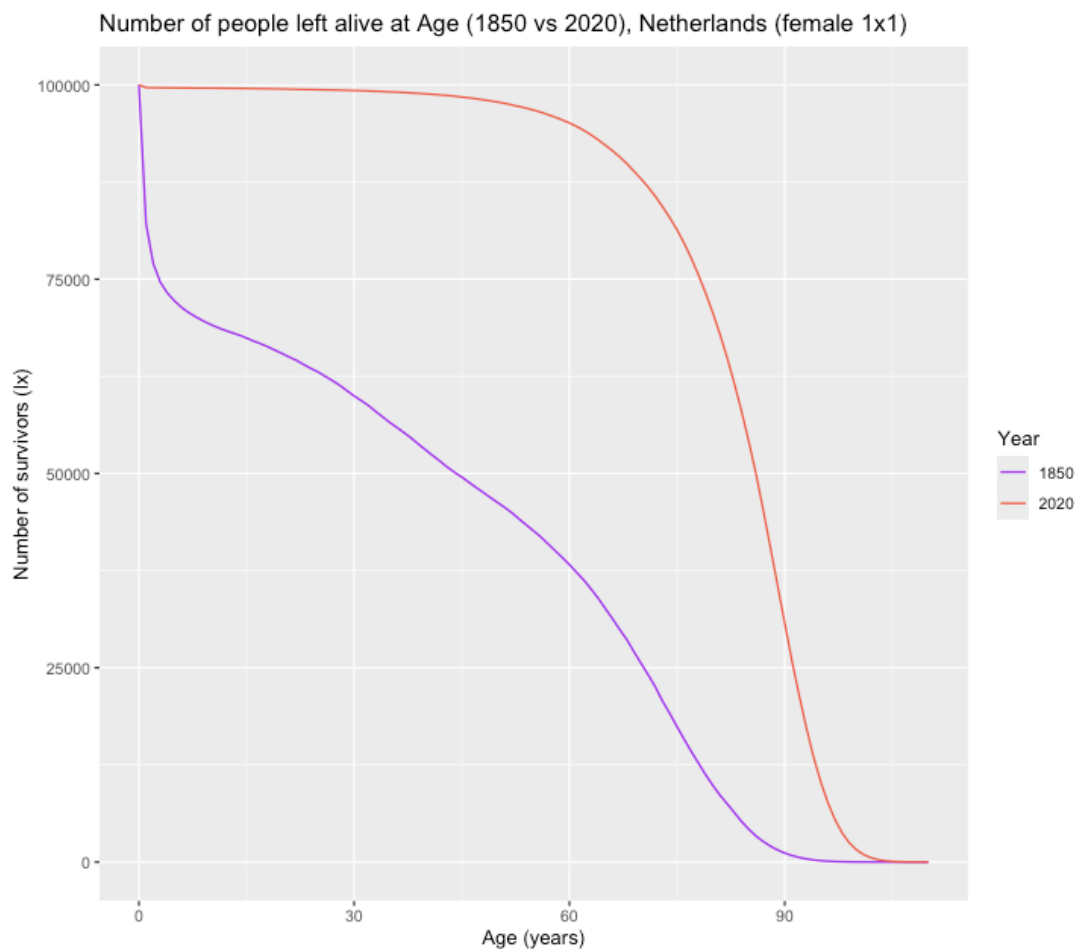


## DEMO2002 W4 Tutorial



**Source:** <https://www.mortality.org/Country/Country?cntr=NLD>

Figure 1 compares the number of people surviving to a certain age based on mortality data on females in the Netherlands in 1850 and in 2020. The synthesised data starts with a hypothetical population of 100,000 people. Instantly, a steep decline in survivors is observed at very early ages in 1850 compared to a relatively flat initial slope in 2020. This indicates that the Netherlands had much higher infant mortality in earlier periods. After this decline in 1850, the number of survivors steadily decreases as age increases, with dropping survivorship become somewhat more severe after 60 years of age.

In contrast, the 2020 curve has a relatively flat number of survivors between 0-50 — most individuals in the 2020 population get to live to middle age, whereas the 1850 population had dwindled to HALF by this point. From this point, the 2020 curve gradually starts to have more deaths, which escalates after age 70. In general, more people in 2020 get to live to a greater age than people in 1850.