

Bearbeitung von Übungsblatt 1

Namen und Matrikelnummer der Abgebenden:

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2c. 1)

The line plot for the number of deaths among children under 15 from 1980 to 2020 is provided in Figure 1. Overall, there is a steadily decreasing tendency in the number of deaths over the period from 1980 to 2020. Most children died in 1980 while the time from around 2012 and 2015 are characterised by the lowest values, compared to the other years. It is also apparent that throughout the year there were fewer deaths among girls compared to that of boys.

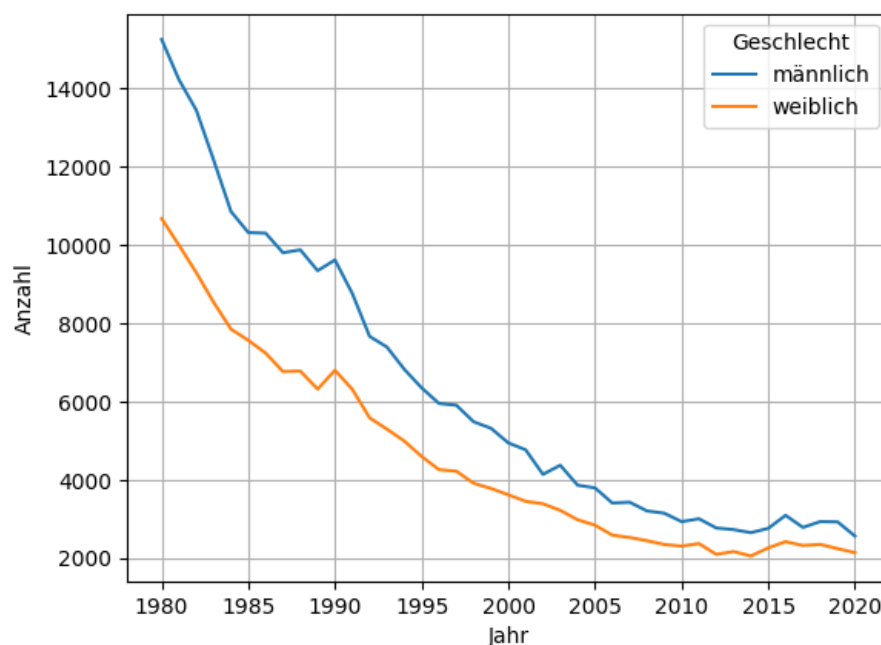


Figure 1: Number of deaths among children under 15 from 1980 to 2020 based on sex.

2c. 2)

The box plot in Figure 2 provides an overview over the distribution of the number of deaths among children under 15 from 1980 to 2020. It could be seen that most values lie in the range

between roughly 5000 and 15000 (based on the values of the interquartile range). As indicated by the close proximity of the "minimum" value (or the 1st quartile) to the median, most data points are below 8500, compared to a rather scarce number of extremely high values above 1700.

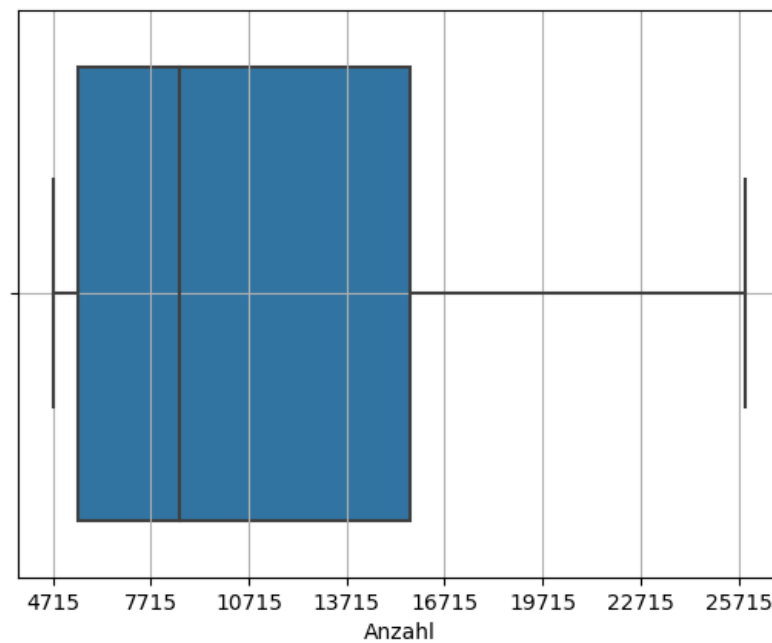


Figure 2: Distribution of deaths per year among the children under 15 from 1980 to 2020.