Task 2.5\_Revised

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24.10.2023

Link: <https://public.tableau.com/views/Task2_5_StatisticalVisualisations/HistogramDeathsbyage?:language=de-DE&publish=yes&:display_count=n&:origin=viz_share_link>

1. A screenshot of a computer

   Description automatically generatedHistogram
2. Younger and older populations are not equally vulnerable. The age groups from under 1 to 35-45 years have about similar frequencies of death (similar death counts). Age groups, 45+ have ever increasing frequency of deaths. The age group 85+ has the highest frequency of deaths from Influenza.
3. There are no age groups that have zero deaths, the first bin simply begins at 0 and ends at 20.
4. A screenshot of a graph

   Description automatically generated Box Plot

1. Where the frequency table can tell us the **total sum of deaths for each age group**, the box plot shows us **how the frequency of those monthly deaths is distributed.** Put differently, the number of deaths in a month, and their relation to median, average, quartiles, and minimums/maximums. So, we can see that some months in some states had more than 500 deaths in a single month.

A screenshot of a computer

Description automatically generatedAlternative Box Plot

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| **Visualisation Checklist** | | |
| Criteria | Requirement | Answer |
| Text | The title and text are very descriptive, and the format of presentation conveys the essence of the visualisation. | Yes |
| There are text labels. | Yes |
| There is no redundant text. | Yes |
| There are legends which describe the colours used and the abbreviations fully. | Yes |
| Colour | The colour scheme communicates importance of information. | Yes |
| The colours are arranged in a meaningful way, which doesn´t create confusion but aids in the conveying of information. | Yes |
| The information can be ordered as more or less important, and depending on the interest of the viewer, it would be easy to identify information important to the viewer. | Yes |
| The use of colour sufficiently communicates any spectrums which exist. | Yes |
| Other | Key identifier is communicated first. | Yes |
| The colour of the line immediately tells of the positioning relative to the spectrum of values. | Yes |
| There is enough white space so that the visualisation is not cluttered. | Yes |
| The labels are strongly contrasted, and the shading may be sufficient for colour-blind stakeholders to understand what is being communicated. | Yes |