

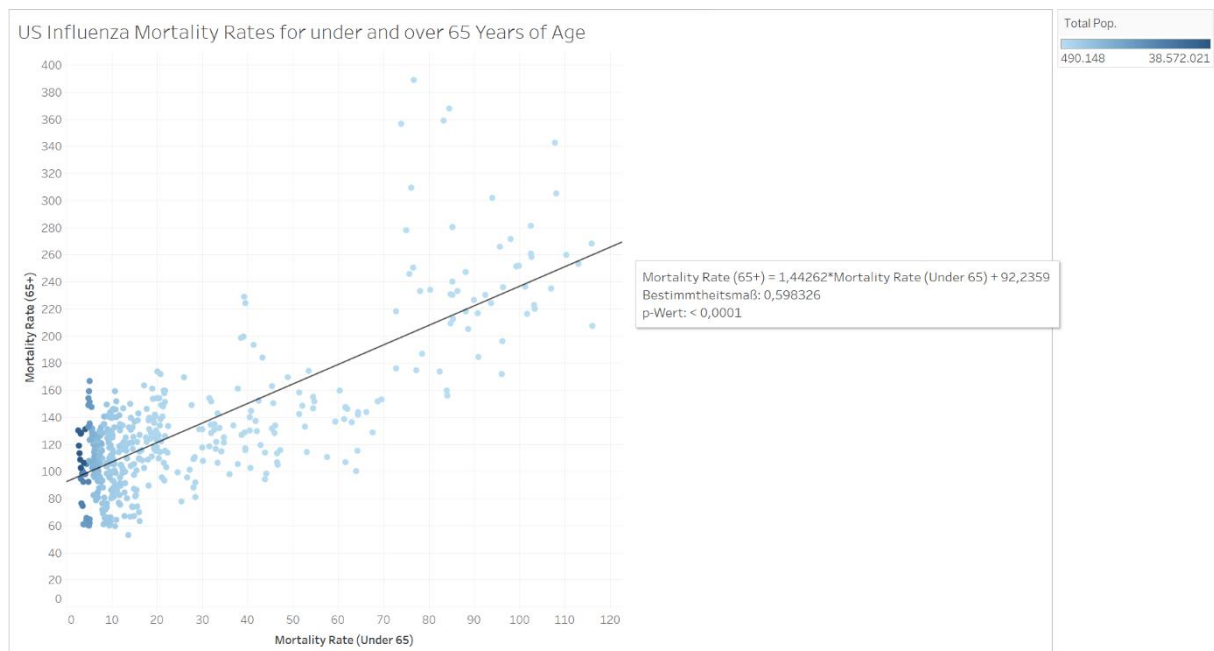
Task 2.6

Mnguni Zulu

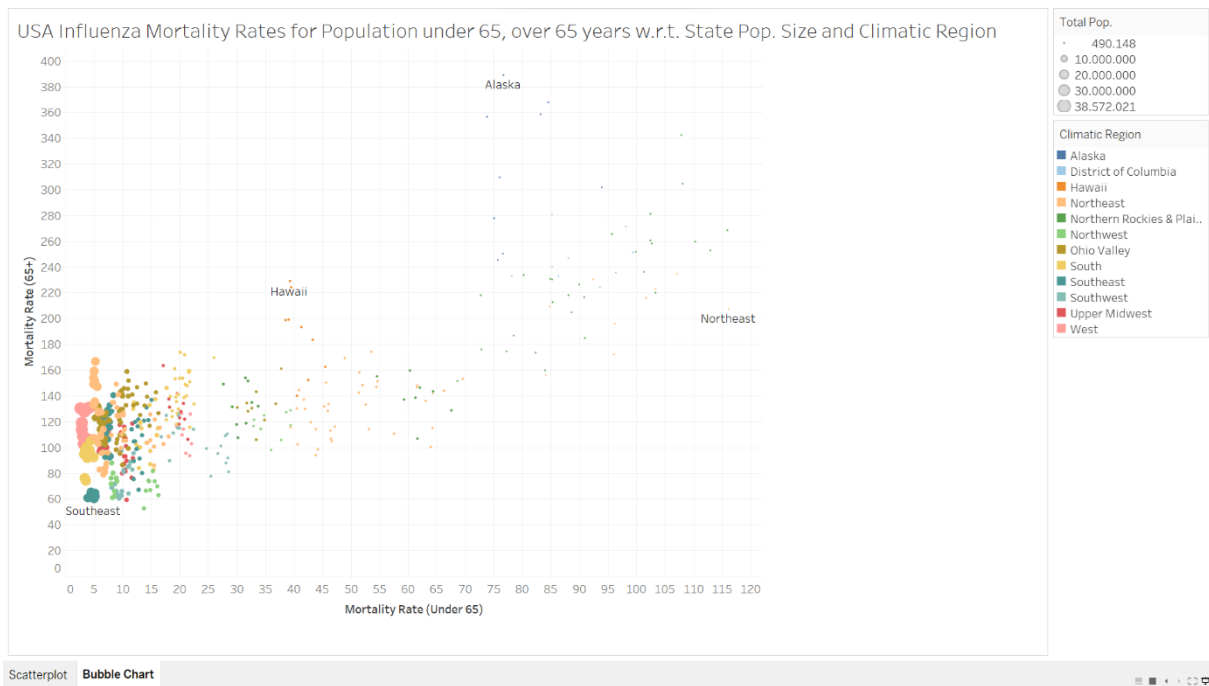
24.10.2023

Link: https://public.tableau.com/views/Task2_6_StatisticalVisualisations/BubbleChart?:language=de-DE&publish=yes&:display_count=n&:origin=viz_share_link

3. In my previous achievement (exercise 1.8) I looked at the relationship between mortality rates of the age groups under 65 and 65+. According to the trendline in the Bubble Chart, the $r^2 = 0,598326$. Therefore $r = 0,7735$. This matches with the Correlation Coefficient from my previous Achievement (0,77).



4. Most of the mortality rates for the states are very low, which is what we see when we look at the dense cluster of dots at the lower end of the chart. Although the values do not cluster tightly to the trendline there is a perceivable trend going to the top right of the chart. There are also a quite a few dots far above the trendline, which could be considered outliers.



Visualisation Checklist		Scatter	Bubble
Criteria	Requirement	Answer	
Text	The title and text are very descriptive, and the format of presentation conveys the essence of the visualisation.	Yes	Yes
	There are text labels.	Yes	Yes
	There is no redundant text.	Yes	Yes
	There are legends which describe the colours used and the abbreviations fully.	Yes	Yes
Colour	The colour scheme communicates importance of information.	Yes	Yes
	The colours are arranged in a meaningful way, which doesn't create confusion but aids in the conveying of information.	Yes	Mostly
	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	Yes
	The use of colour sufficiently communicates any spectrums which exist.	Yes	Mostly
Other	Key identifier is communicated first.	Yes	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	Yes
	The labels are strongly contrasted, and the shading may be sufficient for colour-blind stakeholders to understand what is being communicated.	Yes	Mostly