Tableau Dashboard

For my assignment, I used The Large Data Set from Edexcel used for Statistics in A Level Maths.

The LDS contains data about weather in several locations and during certain time periods. The focus is therefore to study weather patterns in these locations, make comparisons and be able to explain any findings.

More information can be found here:

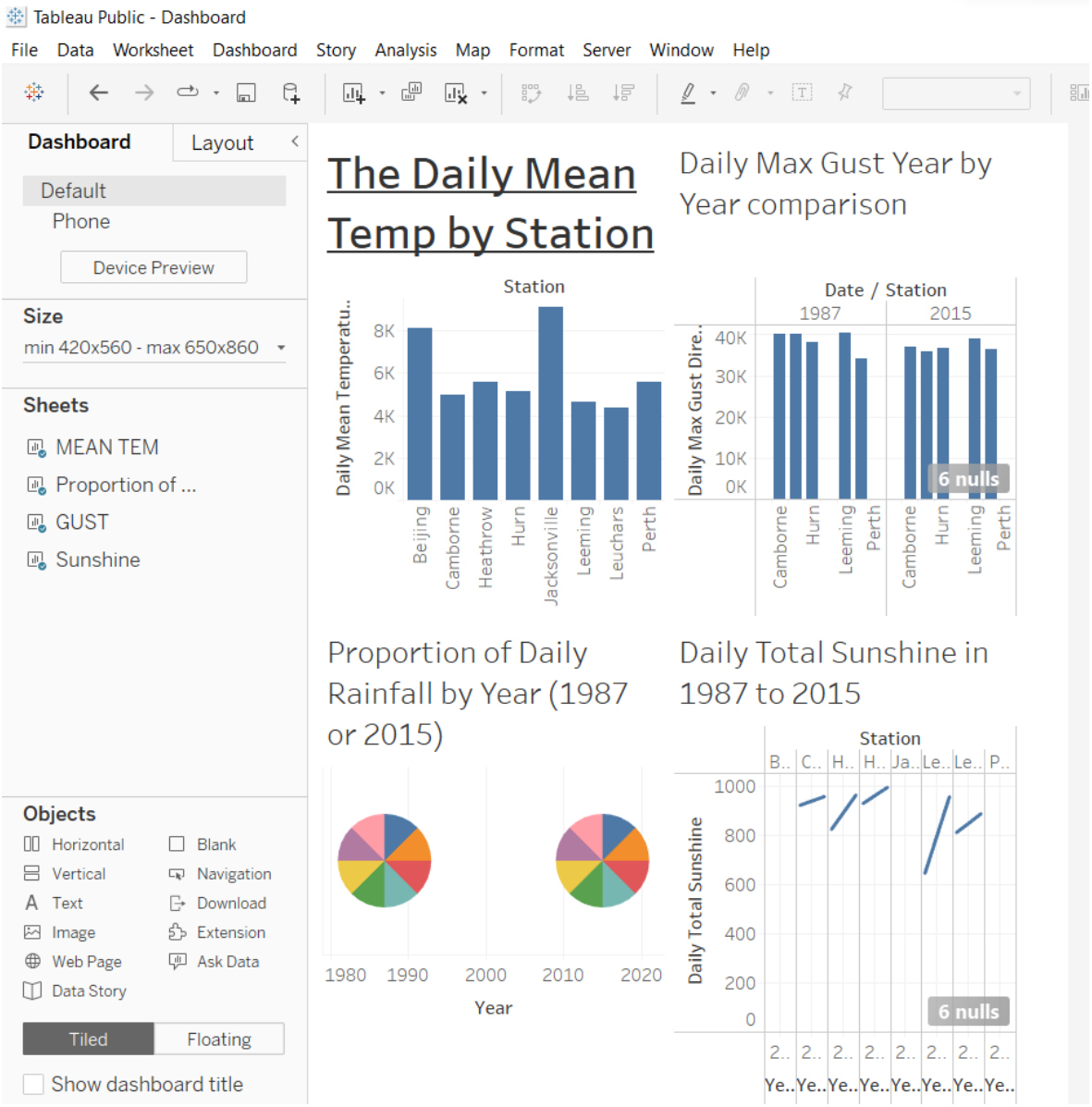
https://crashmaths.com/wp-content/uploads/2019/09/lds-guidance-notes-1.pdf

Kaggle had this data and I was able to input this into Tableau, here is the link for the data on Kaggle:

https://www.kaggle.com/datasets/tombutton/weather-data-edexcel-large-data-set

My Dashboard

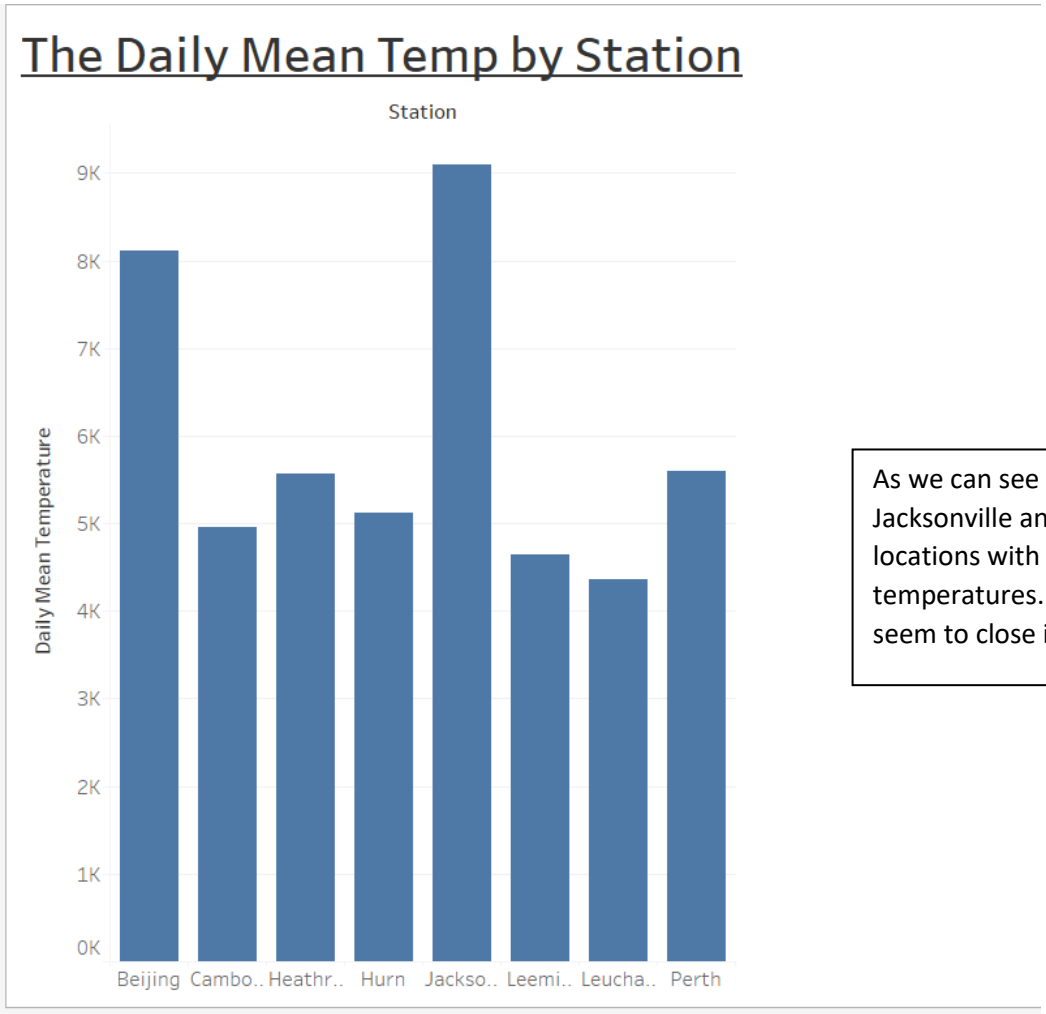
With the LDS, I created 4 data visualisations. This is how Dashboard looked like:



A Link to the actual dashboard can be found here:

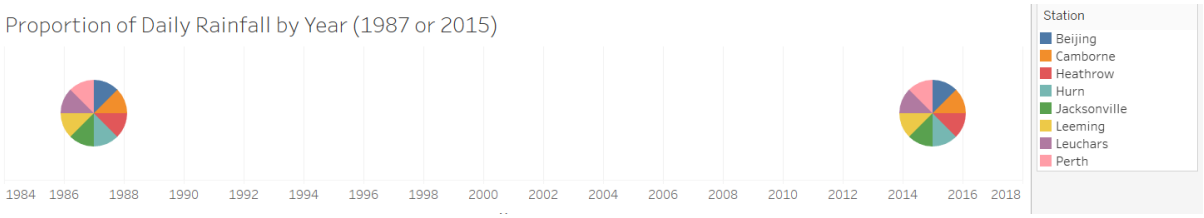
https://public.tableau.com/app/profile/daniel.akinleye/viz/Dashboard_16644579307430/Dashboard1?publish=yes

Daily Mean Temp by Station



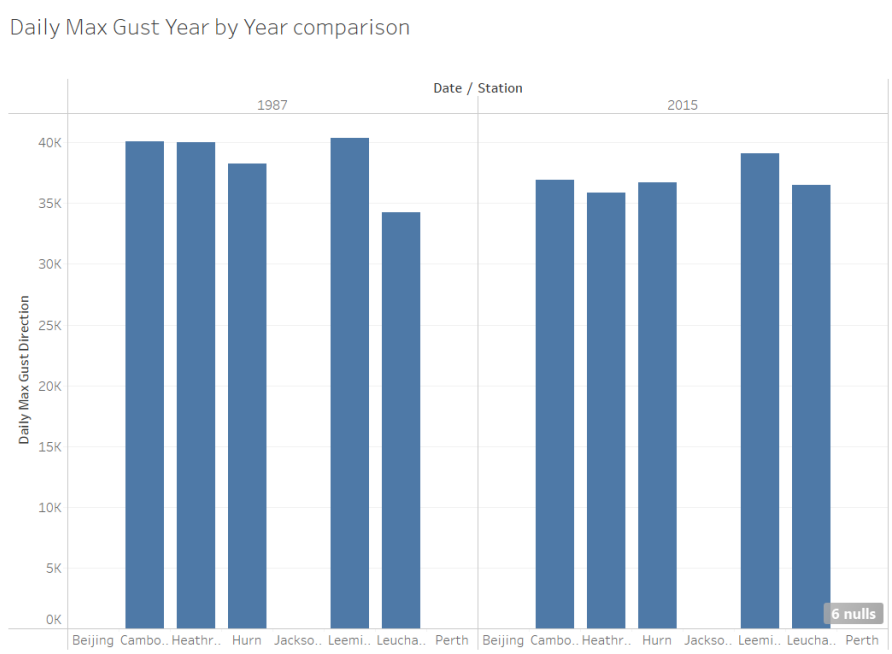
As we can see from the bar chart, Jacksonville and Beijing are the locations with the highest mean temperatures. The other locations seem to close in numbers,

Daily Mean Temp by Station



As we can see from the pie charts, the proportion seems to have stayed relatively similar when we compare the years 1987 to 2015. It is unclear whether this is true for the years between, as this data was not available.

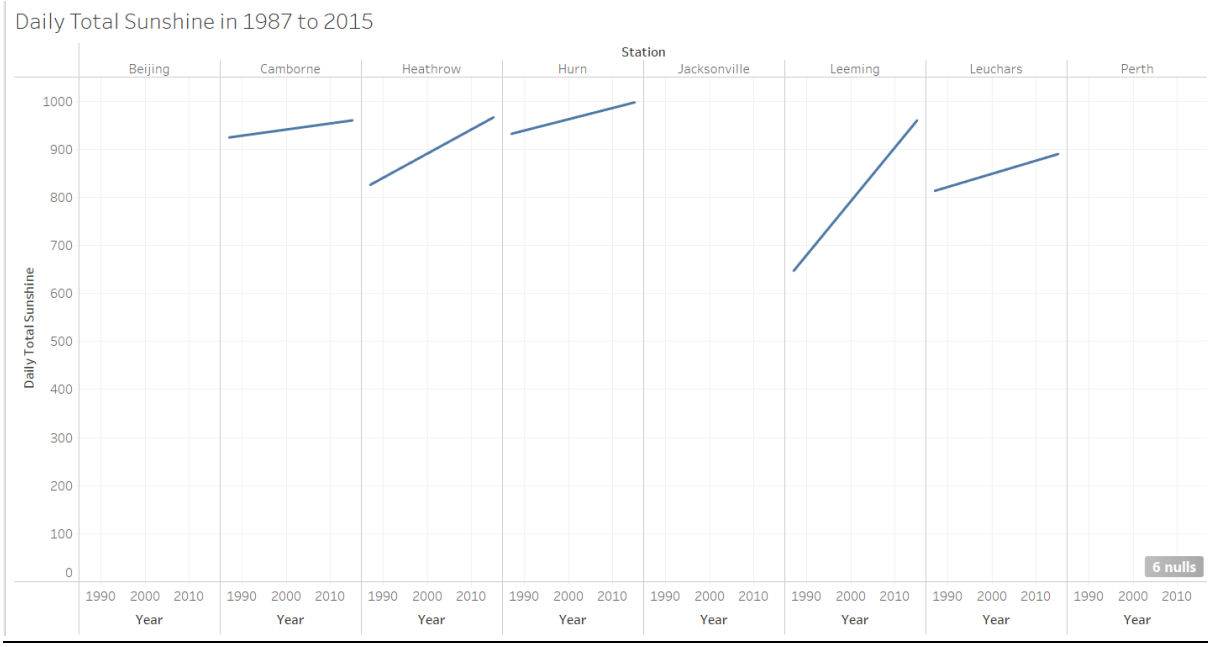
Daily Max Gust Year by Year comparison



As we can see from the side-by-side bar charts, the maximum wind gust speeds seem to have stayed relatively similar, with Leuchars the only location to see an increase.

As we can also see, there are several null values, which would make any analysis of the overall changes in the wind gust speeds difficult for these years. Based on the data available, one would expect the missing locations to follow this pattern. However, we can not know for sure due to the missing data.

Daily Total Sunshine



From this data visualisation, we can see there has been an increase in the daily total sunshine, from 1987 to 2015. Now only the years 87' and 15' are available but one would expect there to be steady increase as the graph suggests. Just like before, there are few null values which again would make analysis difficult.

Thanks for having a look at my Dashboard and I hope my findings were insightful.

Many thanks

Daniel