

UK Weather Report

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	Abstract
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	In sum, the weather in London, and the UK in general, is terrible.
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Introduction

I must convince my friend to stay in Cape Town and not move to London based on how awful the weather is there. We all know that Cape Town has the best climate which makes it so difficult to live anywhere else.

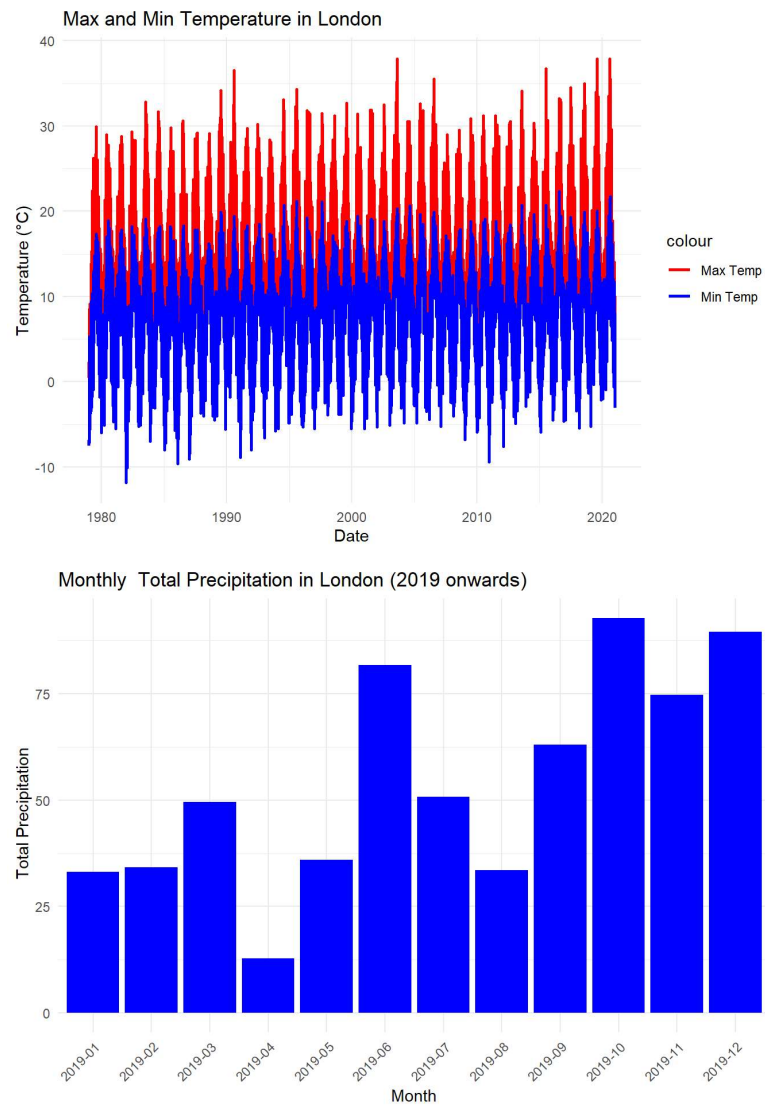
Data

I have data on both London and the UK in general. I first examine London before assessing the overall weather in the UK.

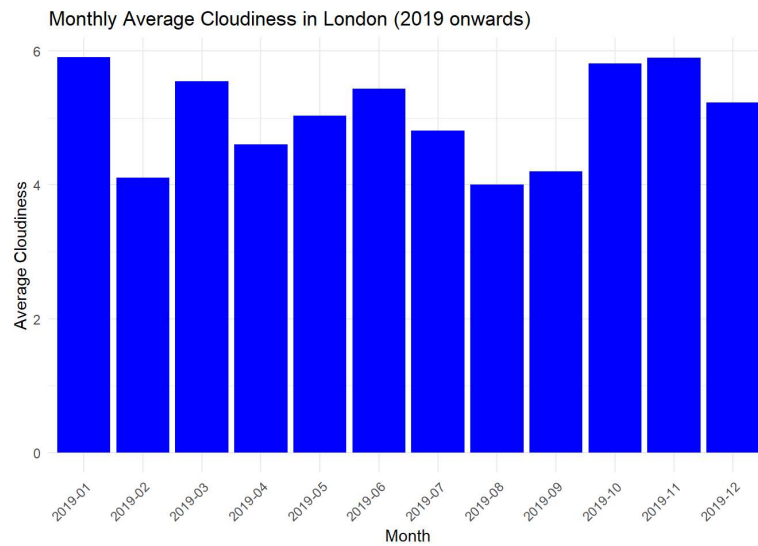
London

Firstly, I examine data on London specifically, as this is likely where my friend would live and work.

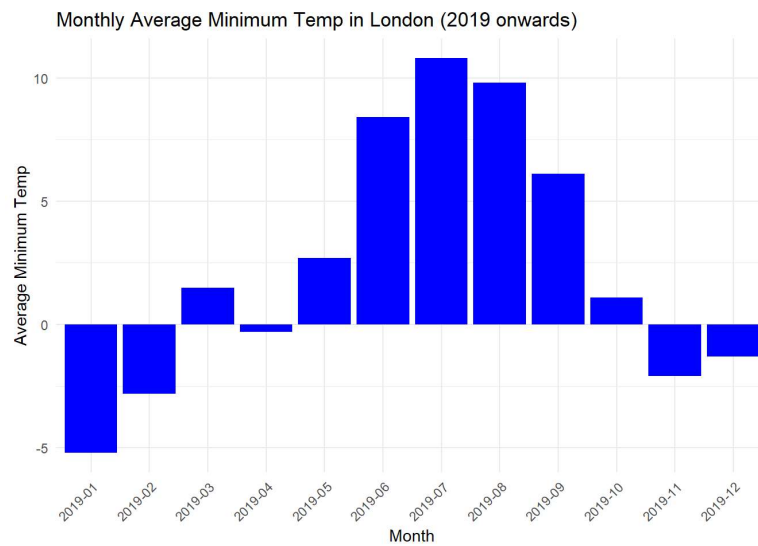
From the first plot, we see that London is super rainy. In the last year of the available data (2019), it has rained every month. In October 2019, it rained almost 90mm. Even in June, London's summer, it rained almost 80 mm. This would not happen in Cape Town.



The second plot looks at cloud cover. It is never not cloudy in London.
How could you leave sunny South Africa?



Thirdly, it is cold! In some months of the year, the average minimum temperature is below 0 degrees.



I have also included some tables for my friend to see how miserable the weather is in London.

The average temperature is around 12 degrees Celsius each year. It can often be as cold as -5 degree Celsius.

Table 1: Temperature Range

Year	Min Temp	Max Temp	Avg Temp
2015	-5.9	36.7	12.13416
2016	-4.6	33.2	11.90137
2017	-4.5	34.5	12.07750
2018	-5.4	35.0	12.52932
2019	-5.2	37.9	12.19397

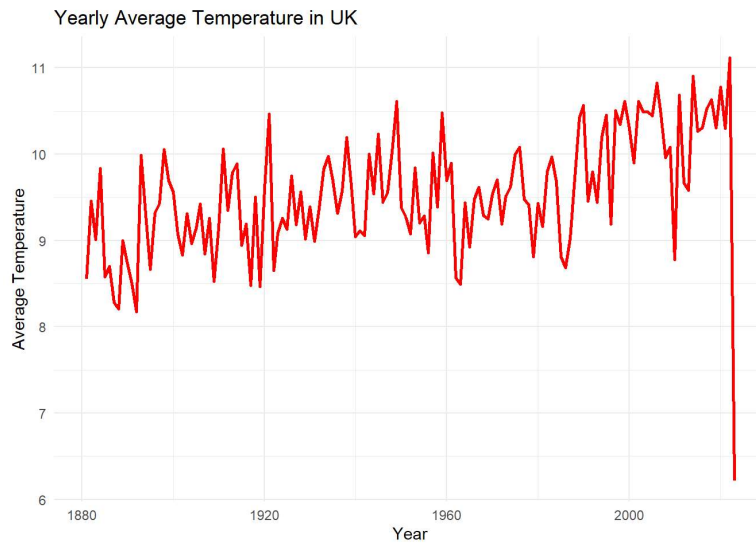
Again, the average rain is substantial and even though there is some sunshine, on average, it is matched by lots of cloudiness.

Table 2: Sunshine, Cloudiness and Rain

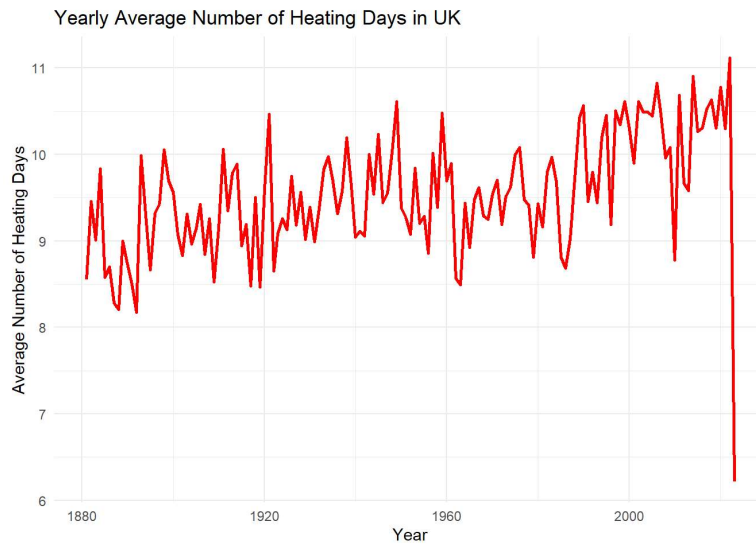
Year	Average Sun	Average Cloudiness	Average Rain
2015	4.131956	4.771350	51.6
2016	4.000822	5.202740	27.0
2017	3.853333	5.361111	36.8
2018	4.670685	4.901370	31.8
2019	4.235890	5.054794	31.8

UK

Even if my friend does not move to London, it is cold everywhere in the UK. I plotted the yearly average temperature in the UK. The average temperature does not rise above 10-11 degrees. It has been like this since 1880 - its not going to change anytime soon.



Because it is so cold in the UK, there are days where heating is required (Heating days). From the figure, it can be seen that there are at minimum 220 days a year that require heating. January 2023 got off to a cold start, where everyday required heating (making the graph spike at the end). Regardless, there are sometimes over 300 days of the year which require heating.



Conclusion

The UK is a terrible place to move to if one dislikes the cold, lack of sunshine, and rain.