

Weather or not to live in London

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Abstract

This article uses graphical simulations to debunk a friends unpopular belief that the weather in London is mostly sunny and not at all cold or rainy. The findings are overwhelmingly indicative that London has mostly cold, cloudy, and rainy wheather throughout the year. This is my solution to question 2 of the practical exam.

1. Introduction

The London weather data used in this article has been kindly provided by the UK National Weather Service, dating back to the 1970's. My argument is structured by referring to three graphical illustrations.

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2. Lets Get Critical

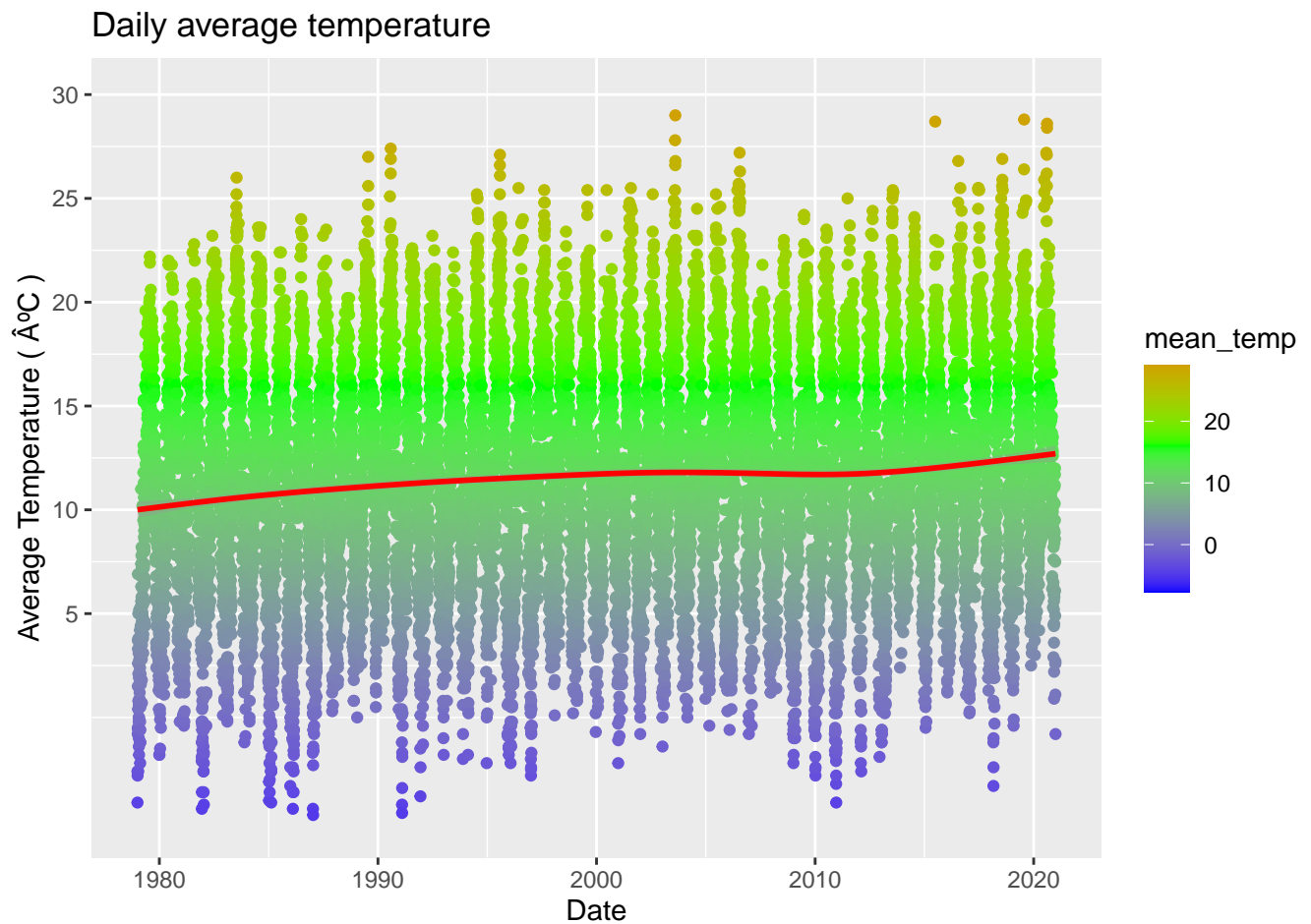


Figure 2.1: Daily Average Temperature Since 1979.

Figure 2.1 illustrated the distribution of the daily temperatures in London from the 1970's through 2020. Notice that the average temperature, represented by the red line, has hovered around twelve degrees Celsius for the past 40 years, with maximum temperature levels vary rarely exceeding 25 degrees. Moreover, the minimum temperatures are regularly below freezing. Thus providing the first conclusion: LONDON IS COLD.

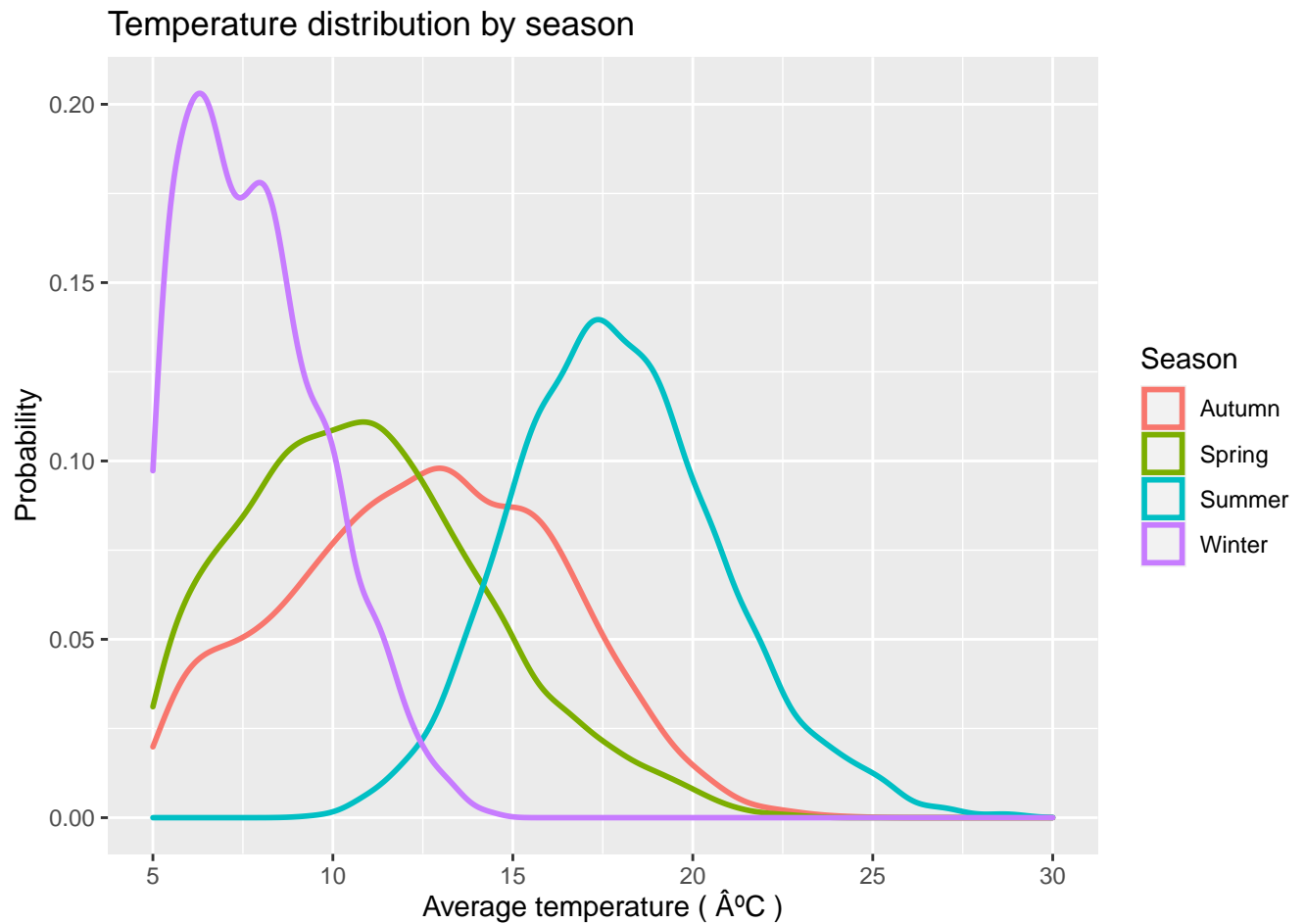


Figure 2.2: Temperature Distribution by Season.

Secondly, I illustrate in figure ?? above the distribution of the average London temperature for each season in the last 40 years. Even though Summer temperatures appear pleasant, this pleasantness is diminished by the towering winter distribution that is heavily skewed towards low temperatures. Moreover, the lowish average temperatures in the Spring and Autumn doesn't exactly invite you to wear short trousers. Therefore, this reaffirms the common belief that it is cold at least three quarters of the year in London.

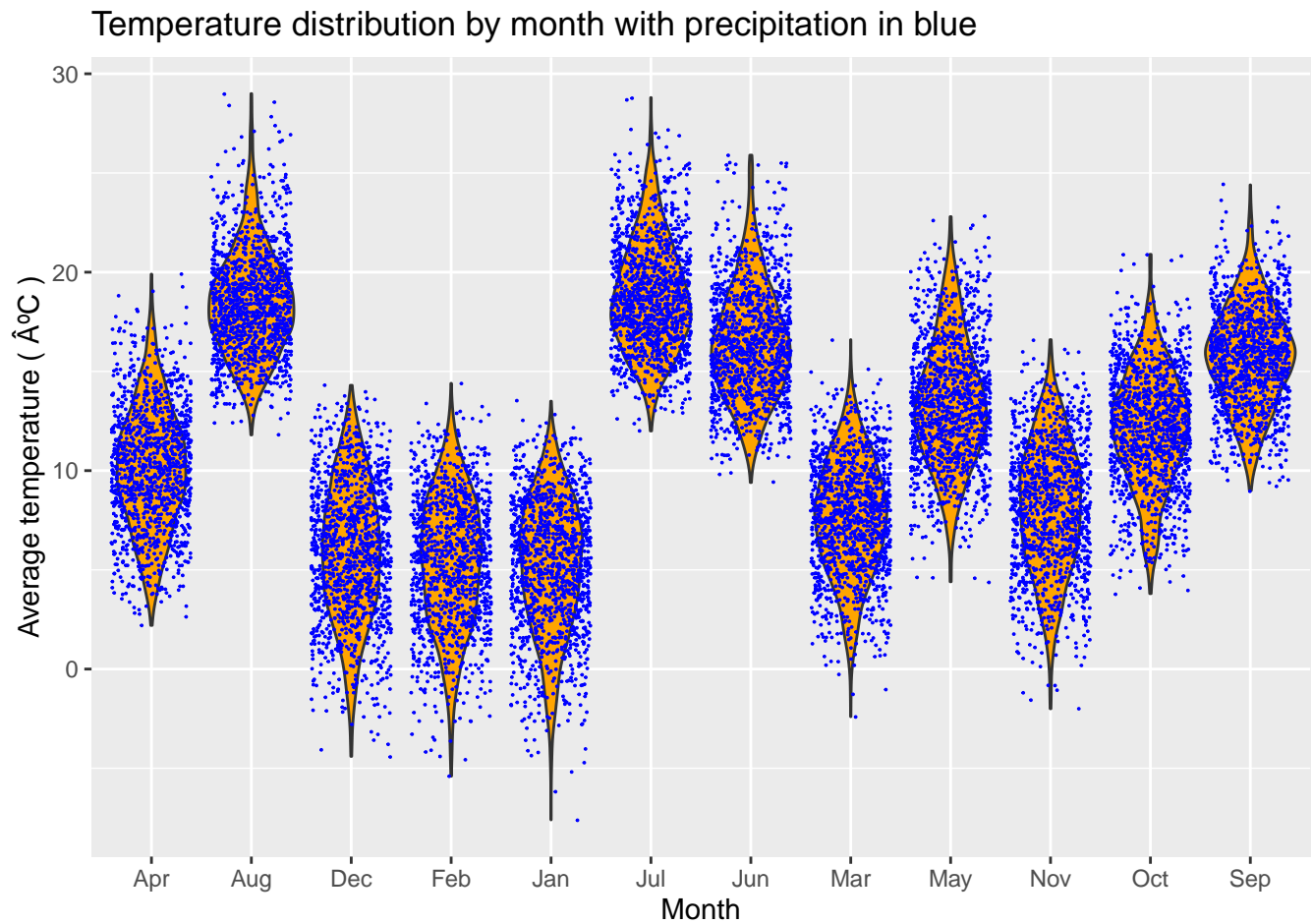


Figure 2.3: Temperature and Precipitation Distribution by Month.

My friend also, rather incorrectly, stated that London weather is not rainy. Well, figure 2.3 provides the temperature distribution for each month, scattered by the blue dots representing precipitation. It is significantly evident that IT RAINS EVERY MONTH of the year in London. Thereby, completely debunking my friends belief.