

Rainfall Data Reporting for Lancaster

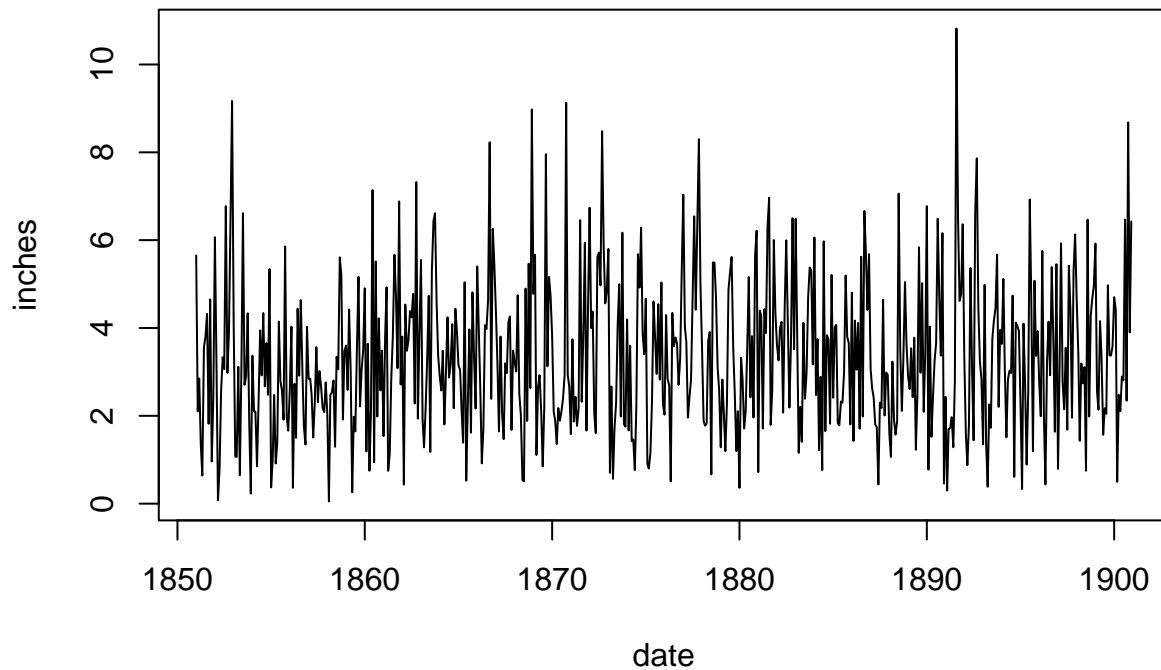
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Data Summary

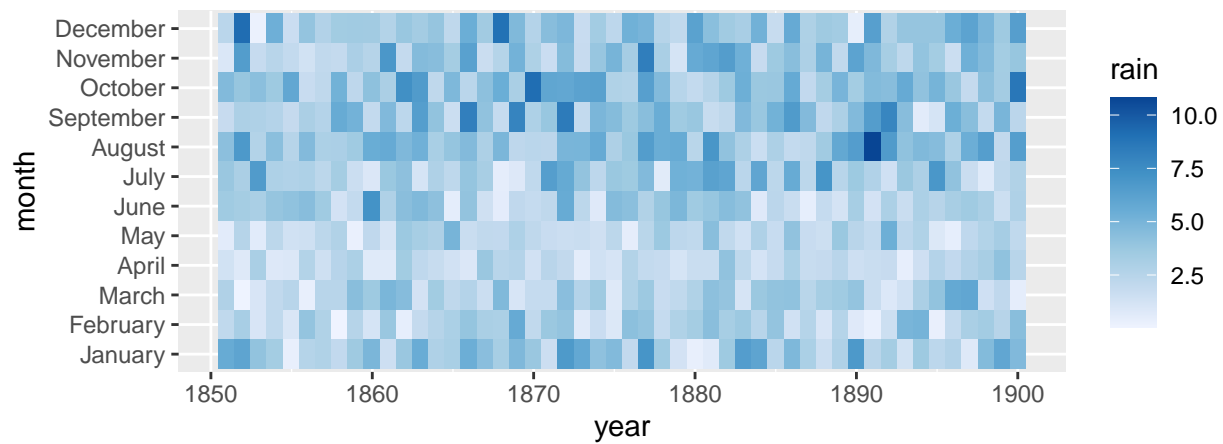
The data consists of 1898 rainfall records from 6 station locations. The data period is from 1851 to 1900.

Rainfall Over Time

The following plot shows the mean monthly rainfall for all stations reporting in a month.

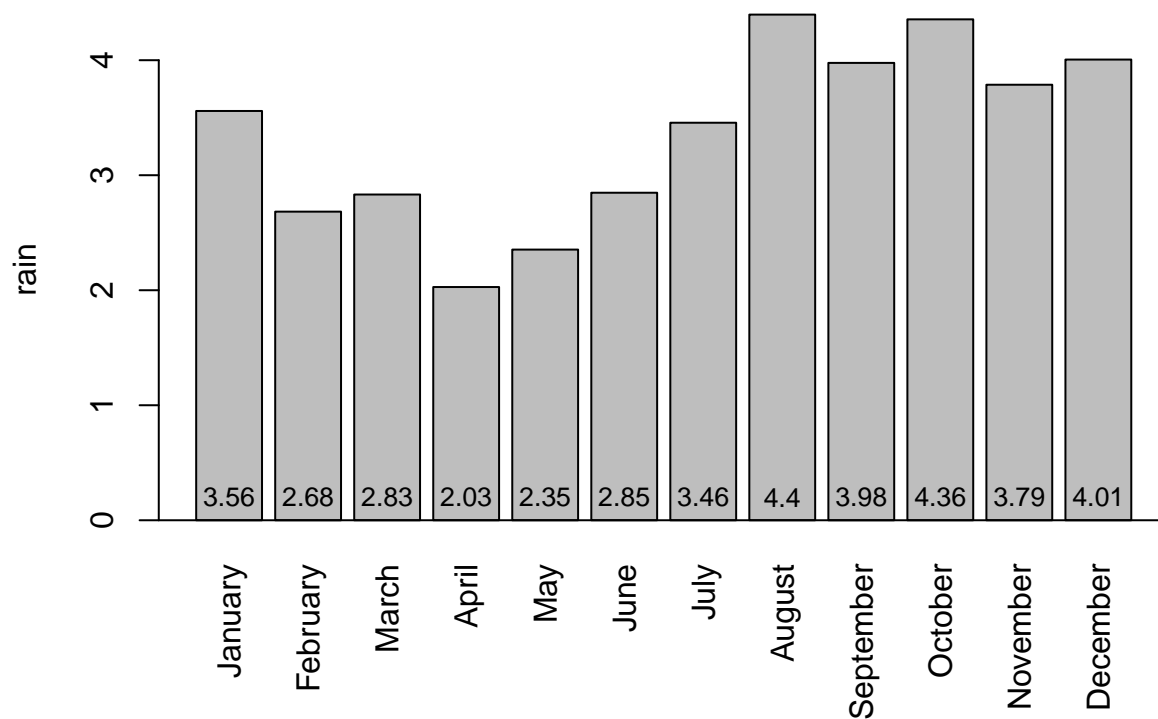


This plot shows the same data as in the previous plot, but as a grid with month on the Y axis and year on the X axis. Any seasonal difference between a dry and wet season should be more apparent.



Monthly Averages

This graph shows the average over all stations and years for each calendar month.



Maxima and Minima

This table shows the five wettest months recorded at any station.

name	month	year	rain
CATON SCHOOL HOUSE	October	1900	11.81
LANCASTER ESCOWBECK	August	1891	11.62
LANCASTER SOUTH ROAD - Southfield	August	1891	11.47
LANCASTER WRAY VICARAGE	August	1891	11.04
LANCASTER ESCOWBECK	October	1870	10.00

Wettest and Dryest Years

The five wettest years as measured at a single station are shown in the next table.

name	year	rain
LANCASTER ESCOWBECK	1872	62.75
LANCASTER SOUTH ROAD - Southfield	1872	58.00
LANCASTER ESCOWBECK	1877	57.75
LANCASTER SOUTH ROAD - Southfield	1877	56.00
LANCASTER WRAY VICARAGE	1886	54.10

The five driest years at any station are in the next table. Low values may be due to missing month records at a station.

name	year	rain
HEST BANK LANCASTER	1876	5.67
HEST BANK LANCASTER	1858	23.11
LANCASTER SOUTH ROAD - Southfield	1892	23.71
HEST BANK LANCASTER	1887	23.85
HEST BANK LANCASTER	1855	24.10

Monthly Extremes

In the 50 years of the study data, each year appears as the wettest year the following number of times:

month	Freq
January	6
February	1
March	1
April	0
May	1
June	2
July	4
August	7
September	9
October	8
November	5
December	6

As a graph of proportions of the total number of years, the data looks like this:

