

A Snapshot of Rainfall Data - Accra



Ghana Meteorological Agency

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Metadata of Station

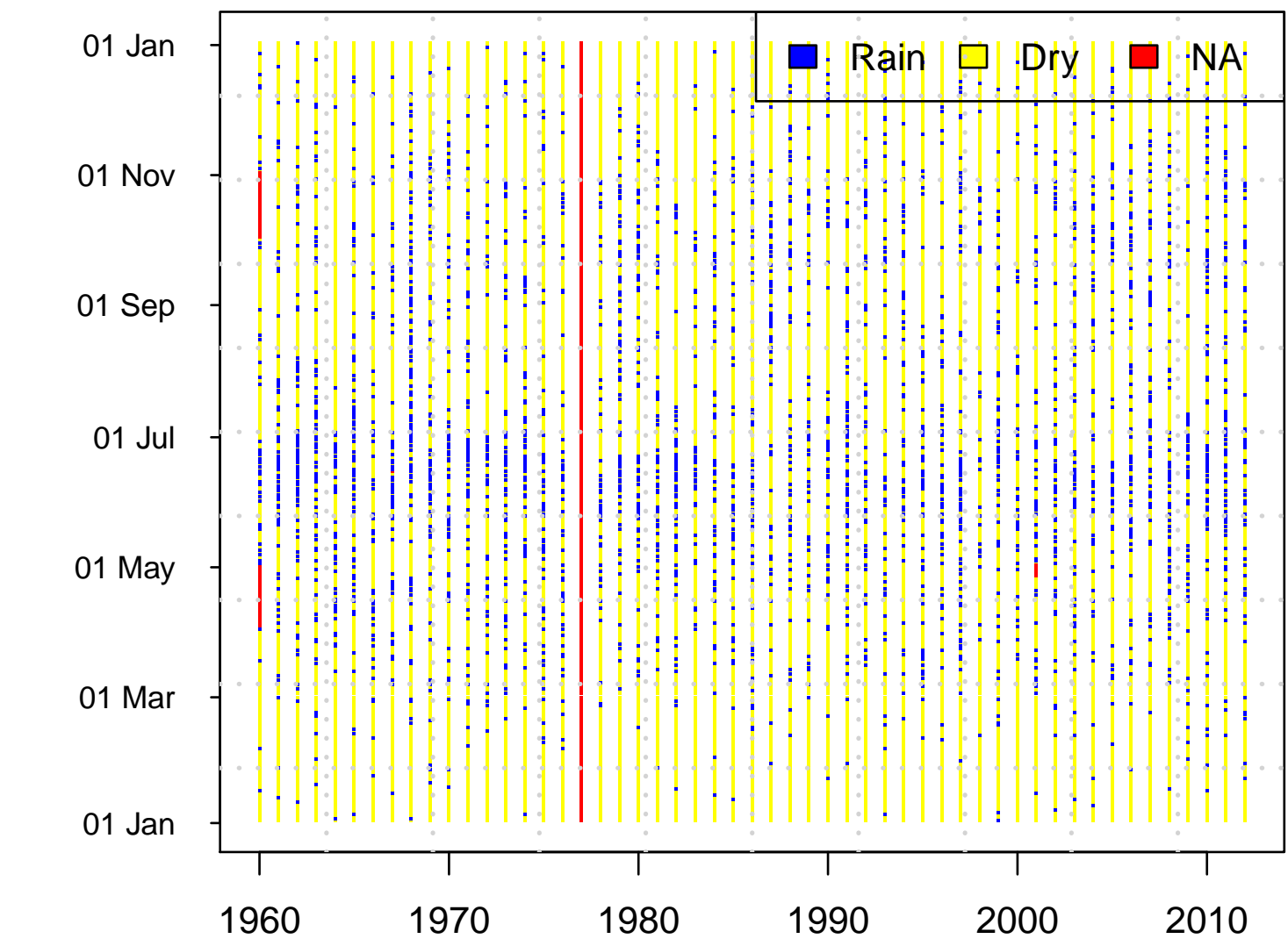
Station: Accra
Data From: 1960-2012
Number of years of data: 53
Climatic Zone: Coastal Savannah
Region: Greater Accra Region
Country: Ghana
Station Coordinates: Latitude: 5.6 AND Longitude: -0.16

Some Summaries, Plots and Comments

[1] Percent of Data Present: 97.8%

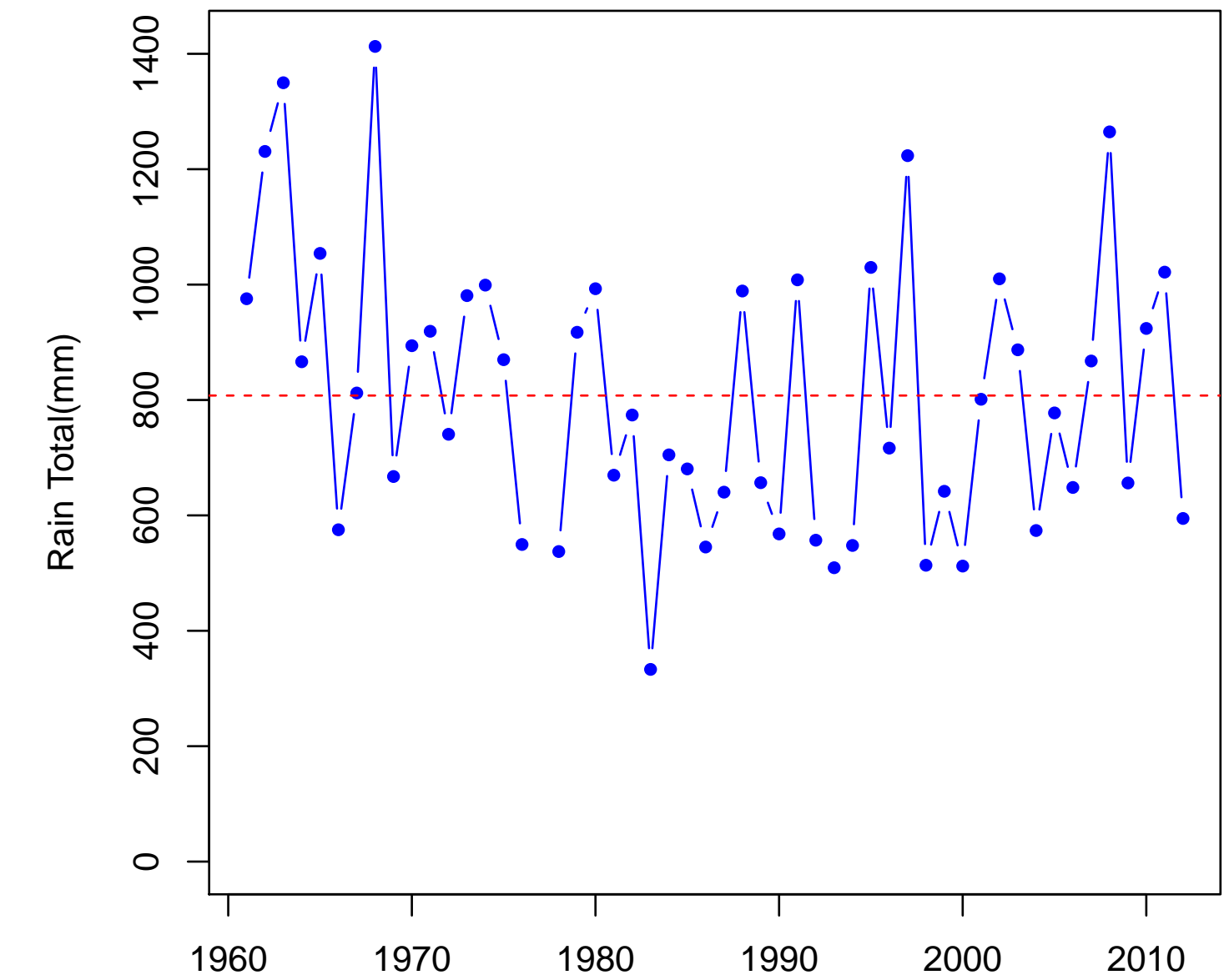
Years with more than 20 missing days of are omitted from the analyses. A rainfall day is $Rain \geq 0.85$.

Rain Present



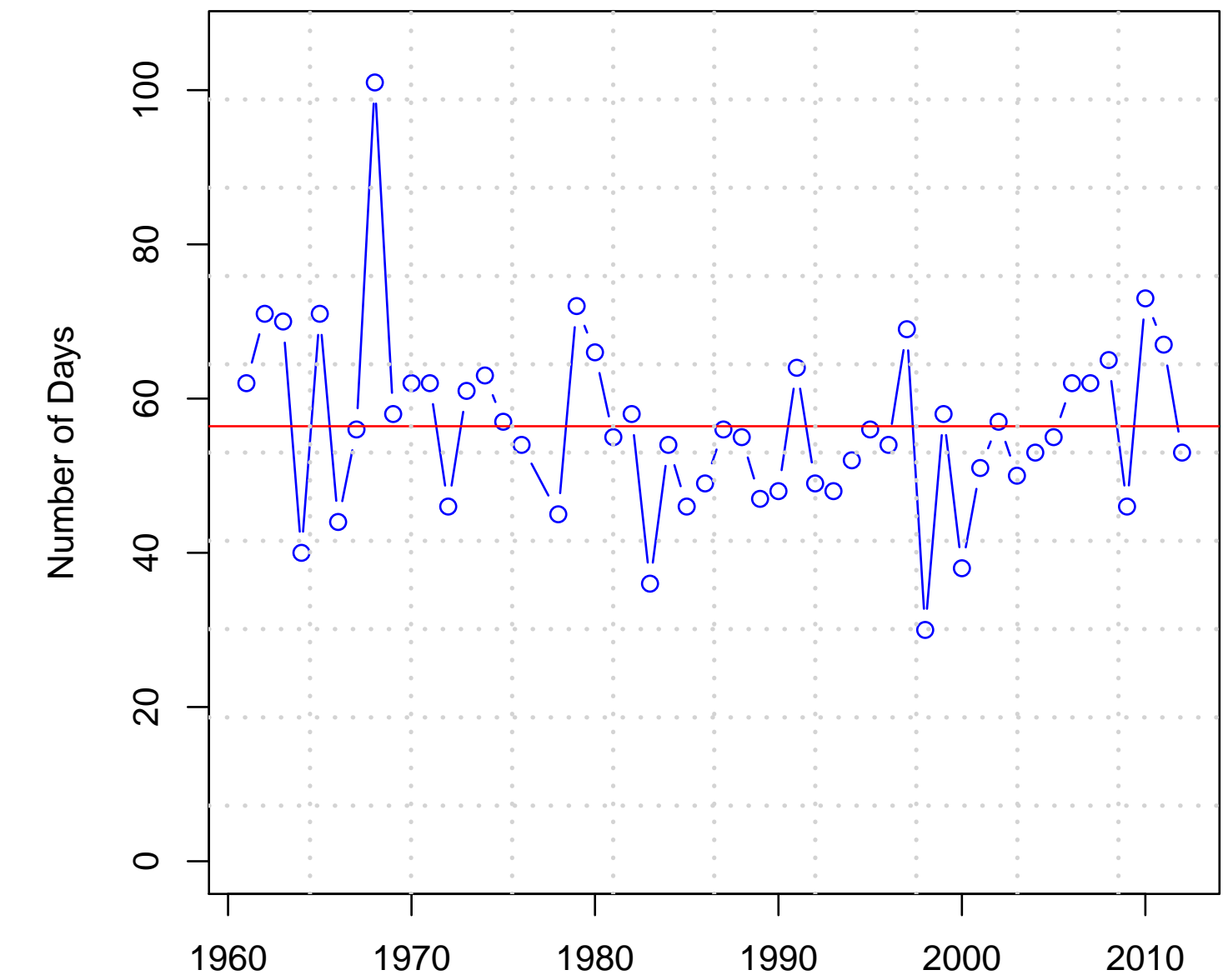
Year	Nos.of .Missing.Days
1 1960	61
2 1967	1
3 1977	365
4 2001	6

Annual Rainfall Total



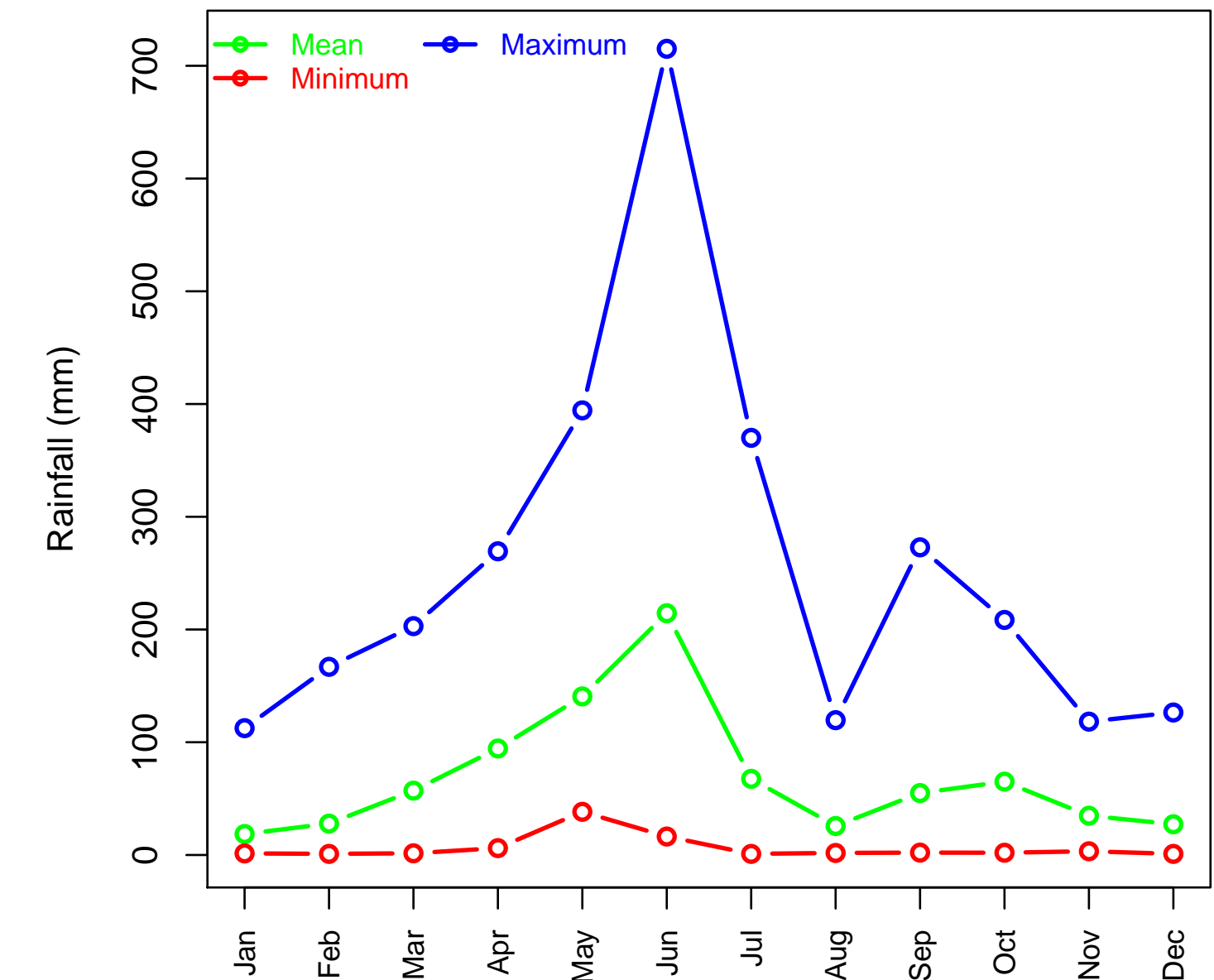
The average annual rainfall amount is **808** mm. It ranges from **333** mm to **1413** mm with **1983** and **1968** being the years with the most and least amount of rainfall recorded. Hence considering the annual rainfall totals there is evidence of climatic variability for this region. However, the data does not show any obvious evidence of a trend.

Annual Rainy Day Total



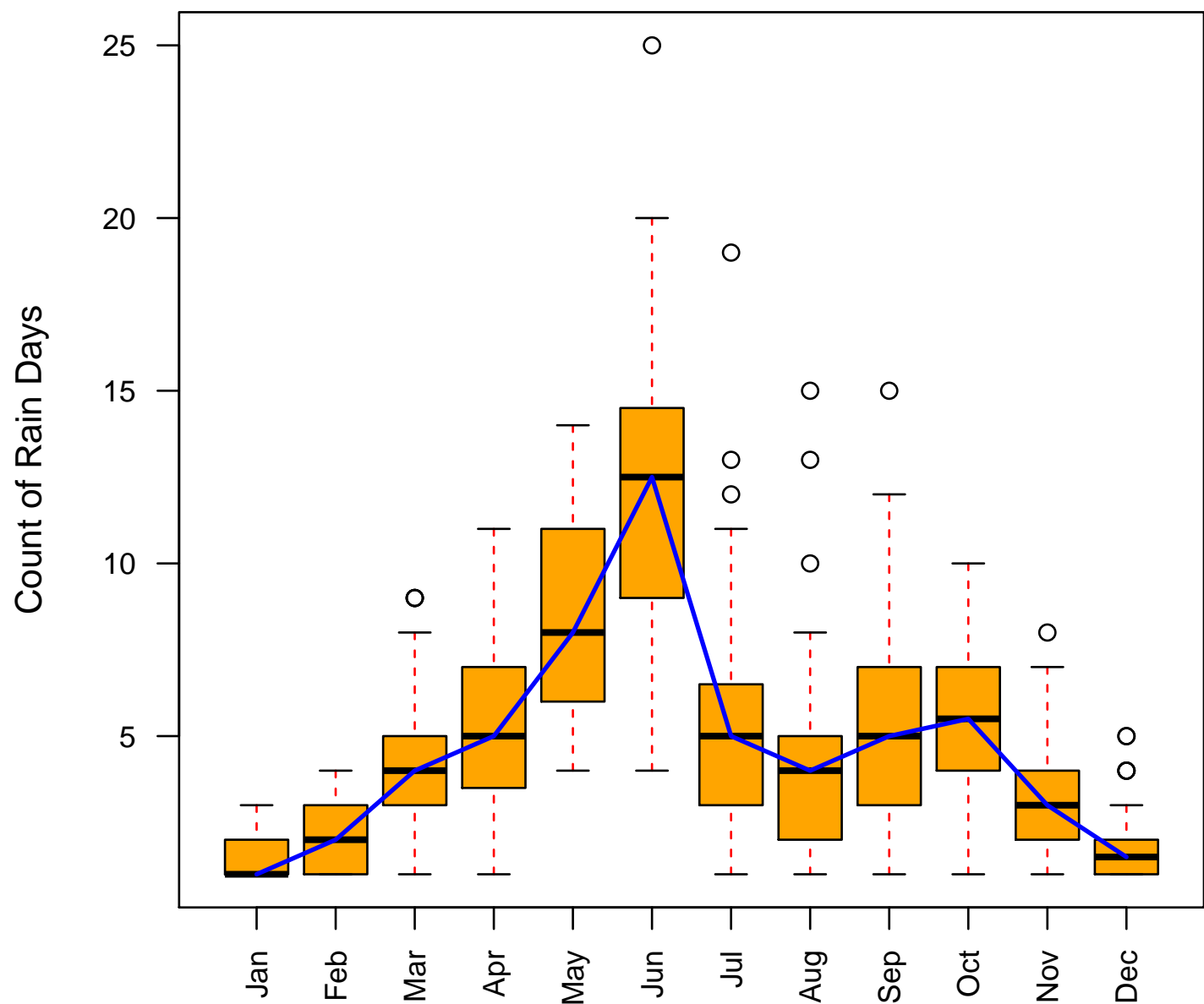
The average annual rainy days is **56**. It ranges from **30** days to **101** days with **1998** and **1968** recording the most and the least amount of rainfall. The average rainfall per day is **14** mm, and the data does not show any obvious trend.

Summary Values of Monthly Rainfall (mm)



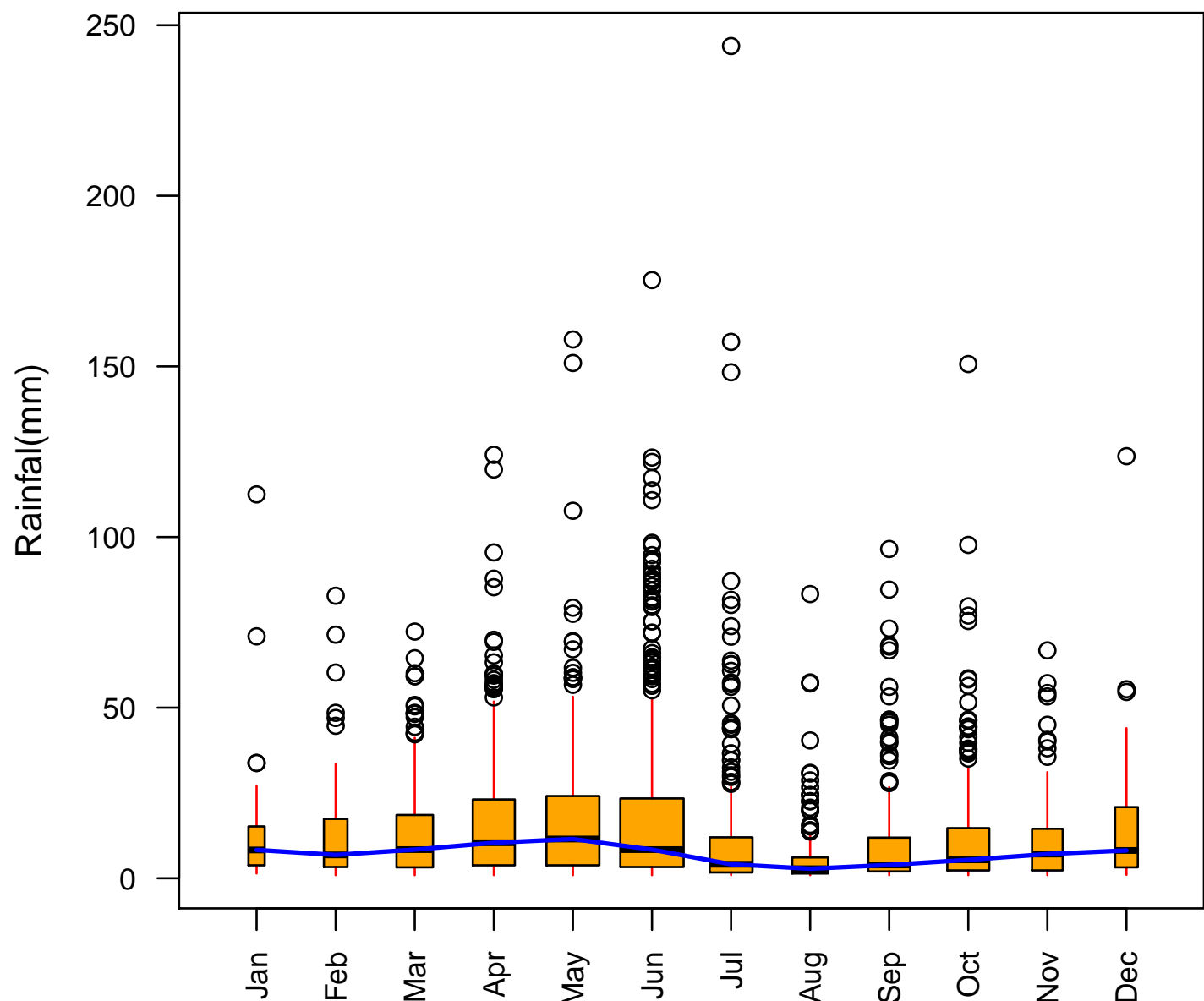
Considering the rainy season, **June** recorded the maximum amount of rainfall while **November** recorded the minimum amount of rainfall. The highest mean rainfall amount is experienced in **June**.

Number of Rain Days per Month



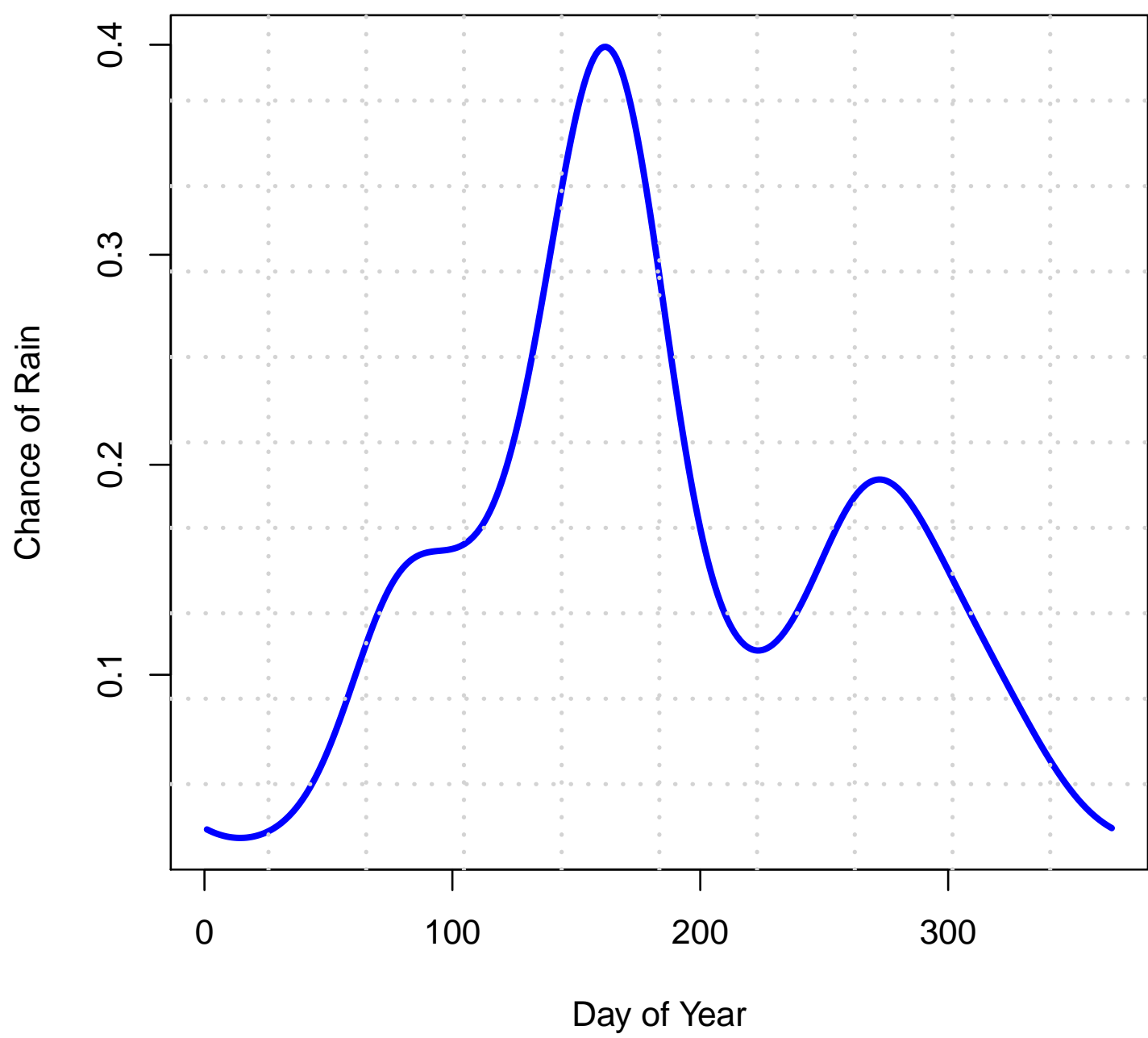
This graph shows the **bimodal** pattern of the rainfall clearly. The main rainy season is from late **March** to **July** while the minor season is found between **September** and **November**. In the major season, **June** has the highest average number of rainy days that results in about three rain days in a week, which compares to **October** in the minor season with also about **2** rainy days in a week.

Daily Rainfall Amounts



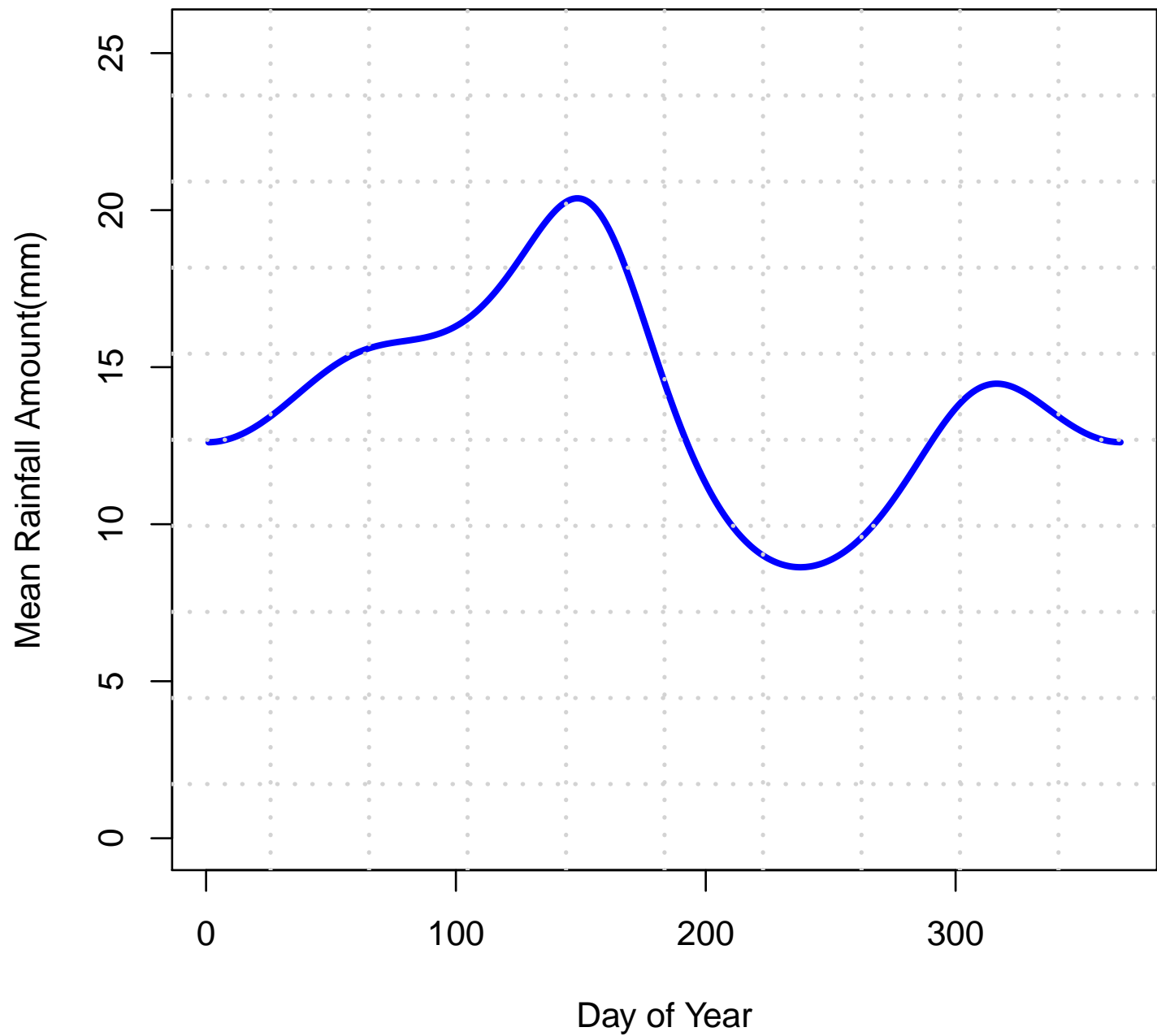
The *size of boxes vary **directly** to the frequency of occurrence* of rainfall. More than half of the time, the rainy days within the rainy season show rainfall amounts between **0.5**mm to **50**mm with a noticeable outlier of **170** mm which occurs in **June**.

Chance of Rain on any Day of the Year



The chance of rainfall takes gradual rise with a **1** in **10** days chance in late March to a peak of about **2** in **5** days chance in **June**, then declines gradually to about a **0.1** chance in **August**. It again shows a gradual rise in late **August** to a peak of about a **1** in **5** days chance in late **September** before it finally declines towards the end of the year. Again, **bimodality** is evidenced by this plot.

Mean Amount of Rain on any Day of the Year



The mean amount of rainfall on a rainy day records a minimum in **August** with about **8.63** mm of rainfall and a maximum in **June** with about **20.38** mm.

General Comments

This station is noticed to experience a **bimodal** pattern of rainfall, which occurs between late **March** and **November**.