

# ■■ PAKISTAN WEATHER ANALYSIS REPORT

**Data Period: 1901-2016**

Generated: July 23, 2025 at 06:06

## ■ Dataset Overview

- Total Records: 1,392 monthly observations
- Time Period: 116 years (1901-2016)
- Data Completeness: 100.0%

## ■ Correlation Analysis

- Pearson Correlation: 0.2031
- Correlation Strength: Weak
- Statistical Significance: Significant (p-value: 0.0000)
- Spearman Correlation: 0.1654

## ■■ Weather Statistics

### Rainfall Statistics:

- Mean: 25.14 mm
- Median: 19.65 mm
- Standard Deviation: 22.24 mm
- Range: 0.11 - 154.06 mm

### Temperature Statistics:

- Mean: 20.01 °C
- Median: 21.17 °C
- Standard Deviation: 7.38 °C
- Range: 5.91 - 30.31 °C

## ■ Monthly Patterns

Month	Avg Rainfall (mm)	Avg Temperature (°C)
April	25.7	21.5
August	51.8	27.7
December	14.9	10.3
February	28.2	10.6
January	25.7	8.5
July	56.6	28.9
June	16.9	29.0
March	32.1	16.0

May	16.4	26.2
November	5.8	15.2
October	6.8	20.9
September	20.8	25.3

## ■ Summary

This analysis of 1,392 weather records from Pakistan reveals Weak correlation between rainfall and temperature. The dataset spans 116 years and provides valuable insights into Pakistan's climate patterns.