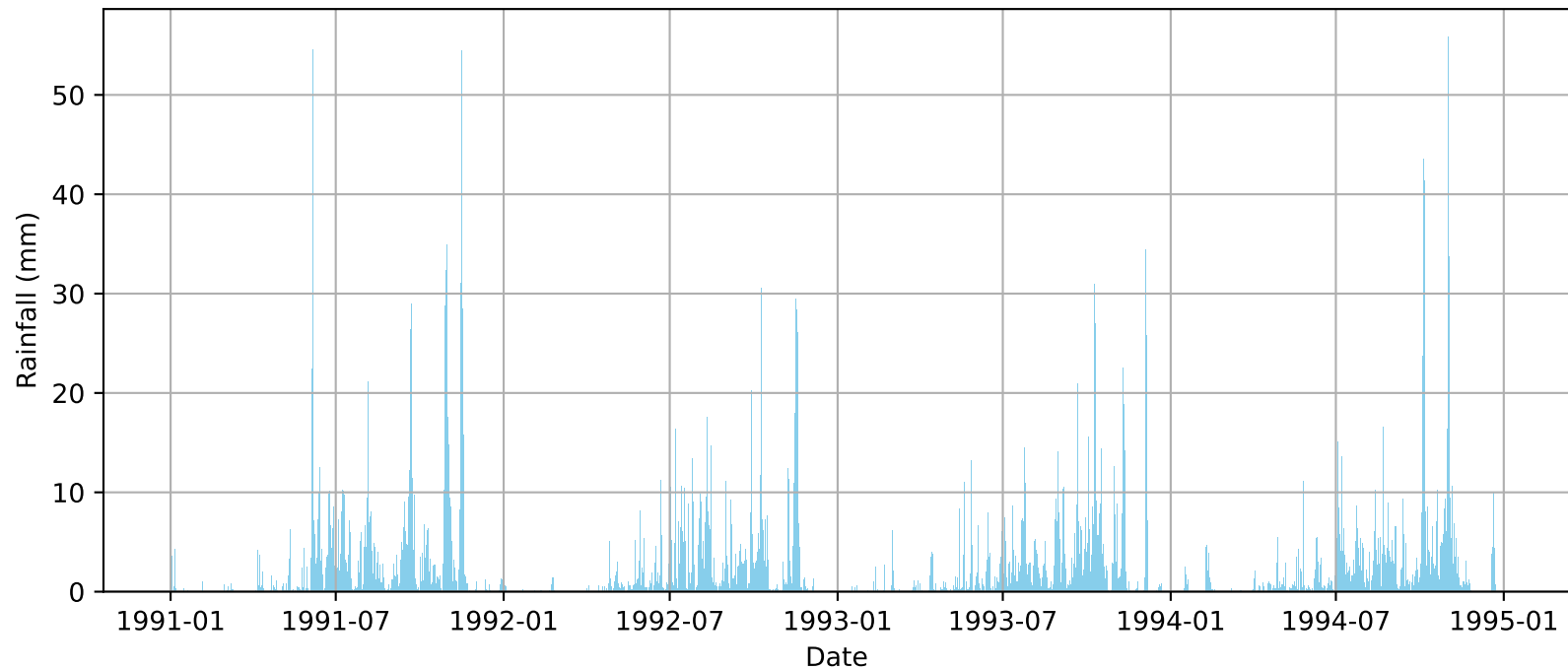
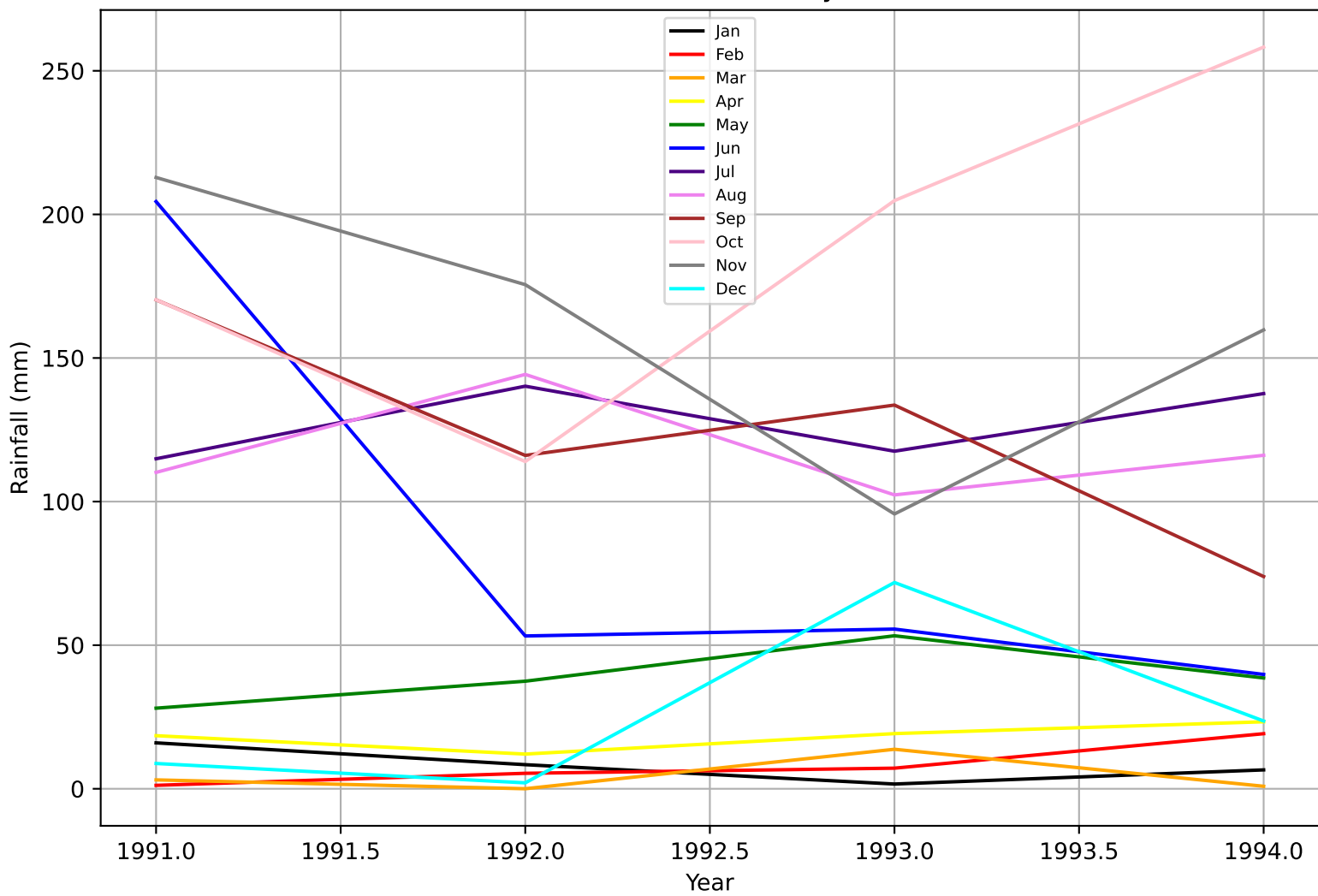


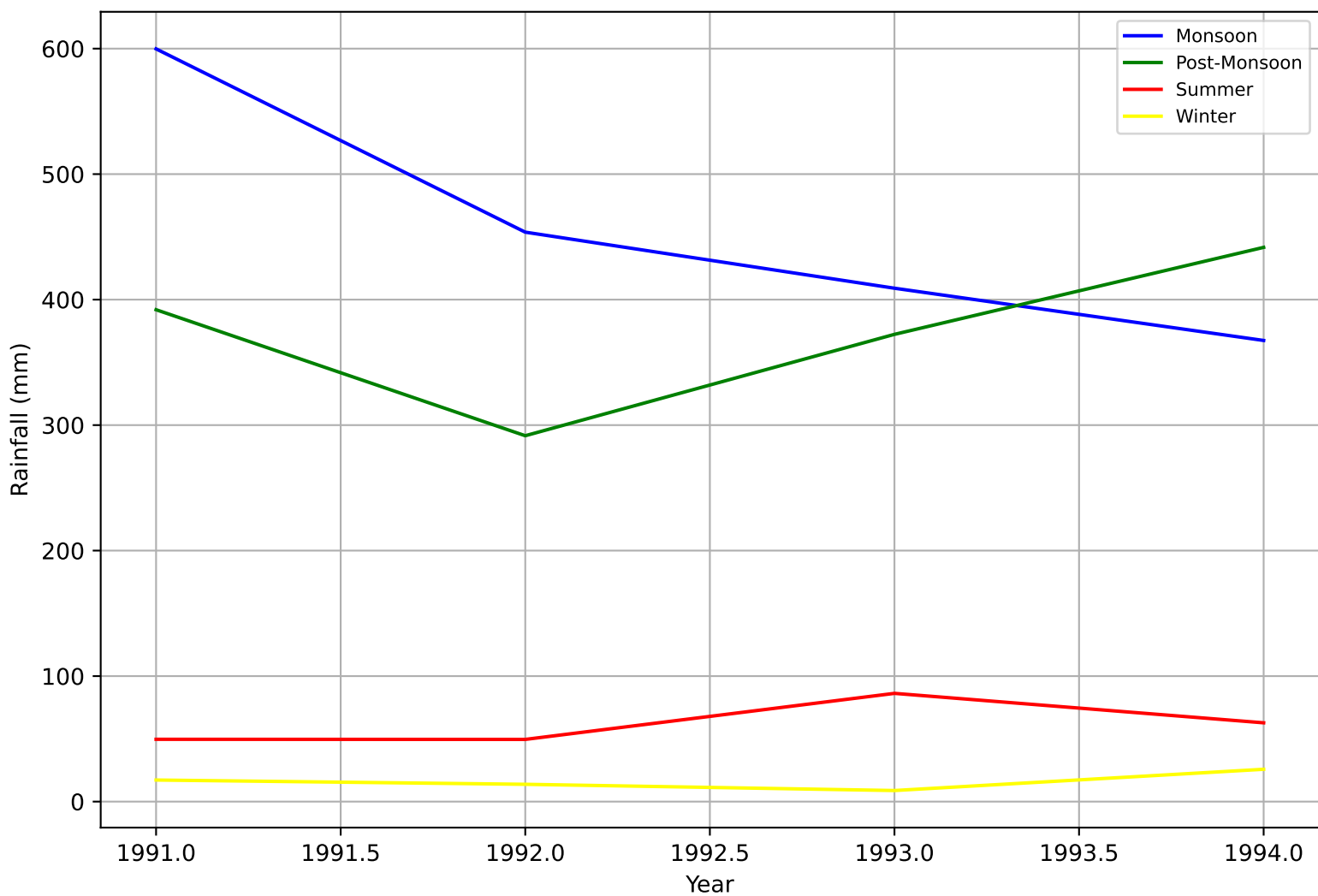
Andhra Pradesh - Daily Rainfall



### Andhra Pradesh - Monthly Trends



### Andhra Pradesh - Seasonal Trends



## Andhra Pradesh - Rainfall Category Summary

No Rain: 361 days

Trace: 47 days

Very Light Rain: 538 days

Light Rain: 290 days

Moderate Rain: 116 days

Rather Heavy: 5 days

Heavy Rain: 0 days

Very Heavy Rain: 0 days

Extremely Heavy Rain: 0 days

## Andhra Pradesh - Summary Statistics

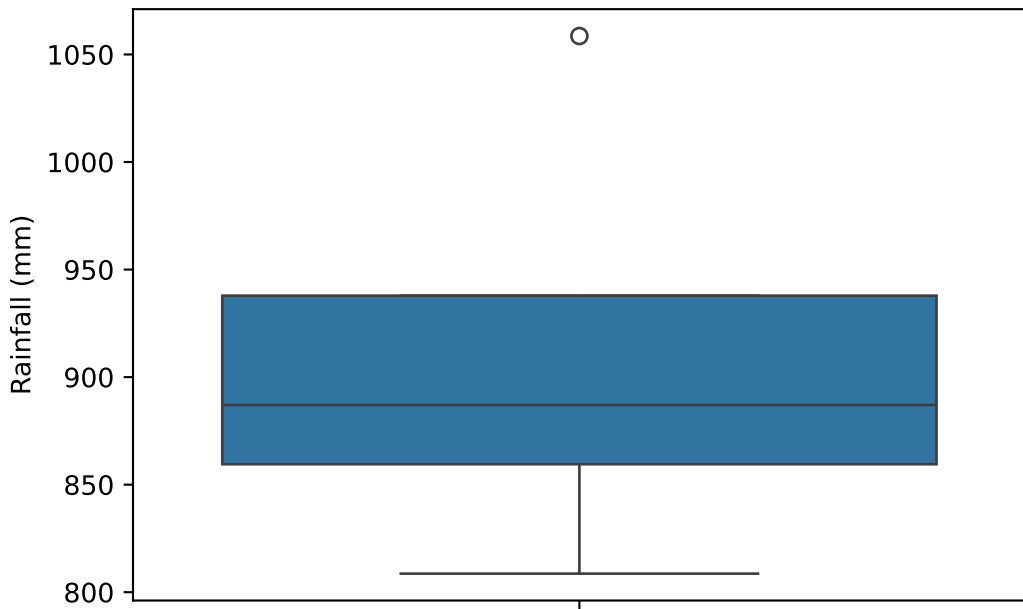
Mean (with zeros): 2.49

Mean (no zeros): 3.31

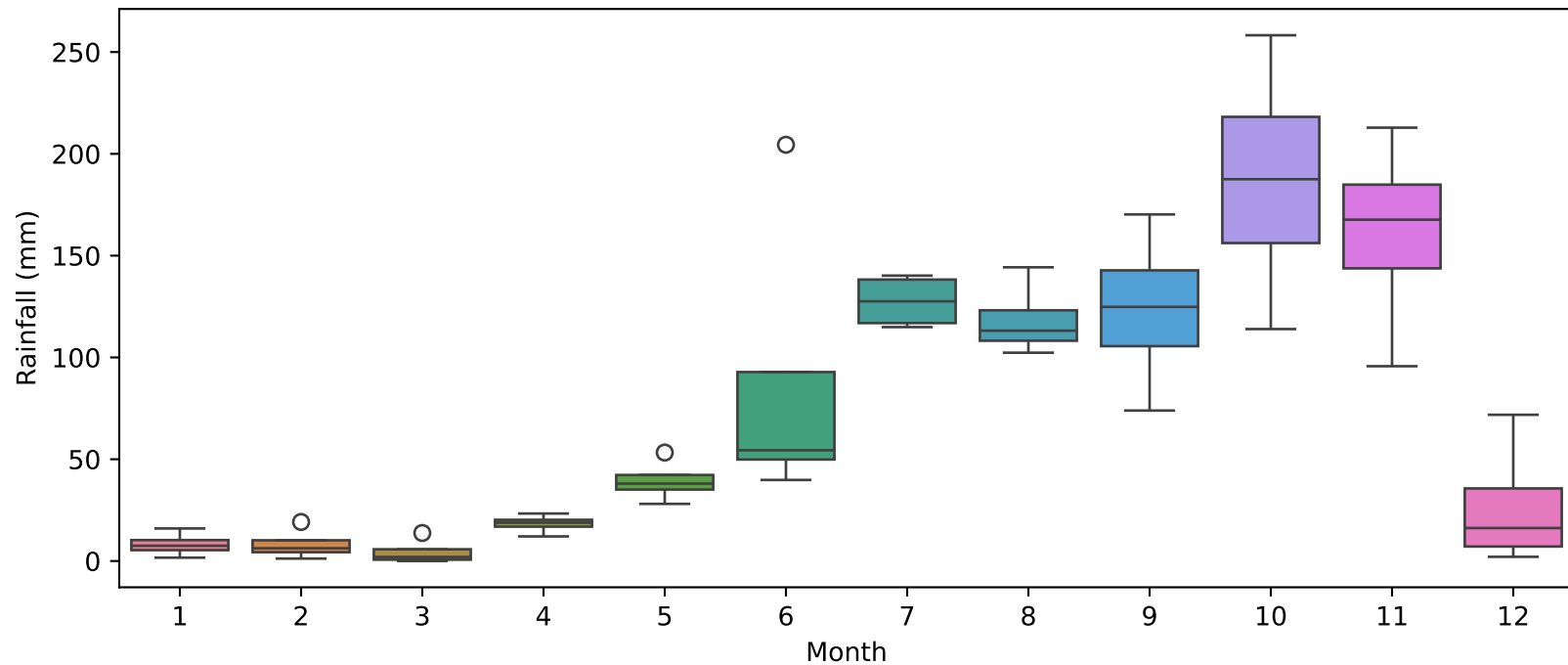
Mode (with zeros): 0.00

Mode (no zeros): 0.00

Andhra Pradesh - Annual Totals



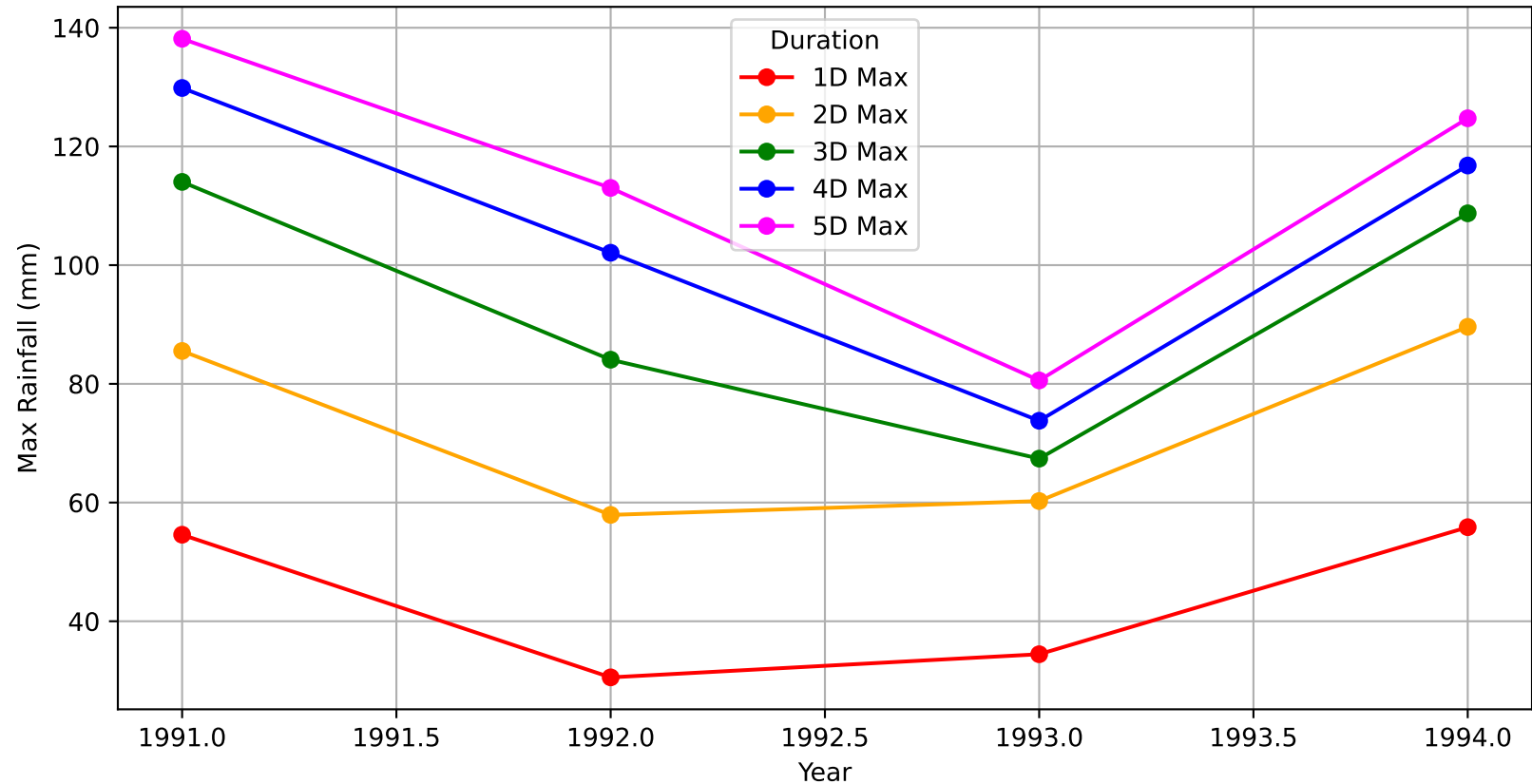
Andhra Pradesh - Monthly Totals



## Andhra Pradesh - 1D to 5D Extreme Events

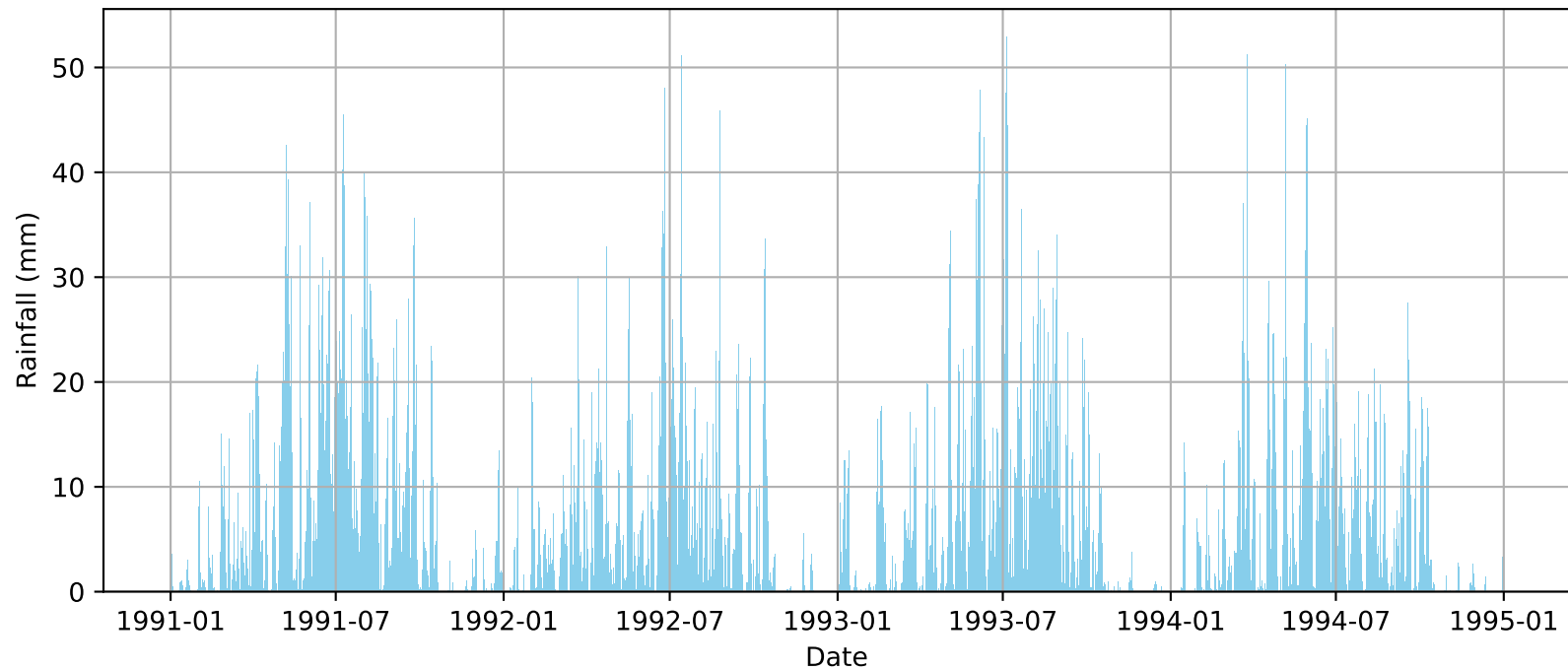
|  | Rainfall (mm) |
|--|---------------|
|  | 55.85         |
|  | 2.49          |
|  | 89.61         |
|  | 4.99          |
|  | 114.03        |
|  | 7.48          |
|  | 129.85        |
|  | 9.98          |
|  | 138.14        |
|  | 12.47         |

Andhra Pradesh - 1 to 5 Day Extreme Rainfall (Trend)

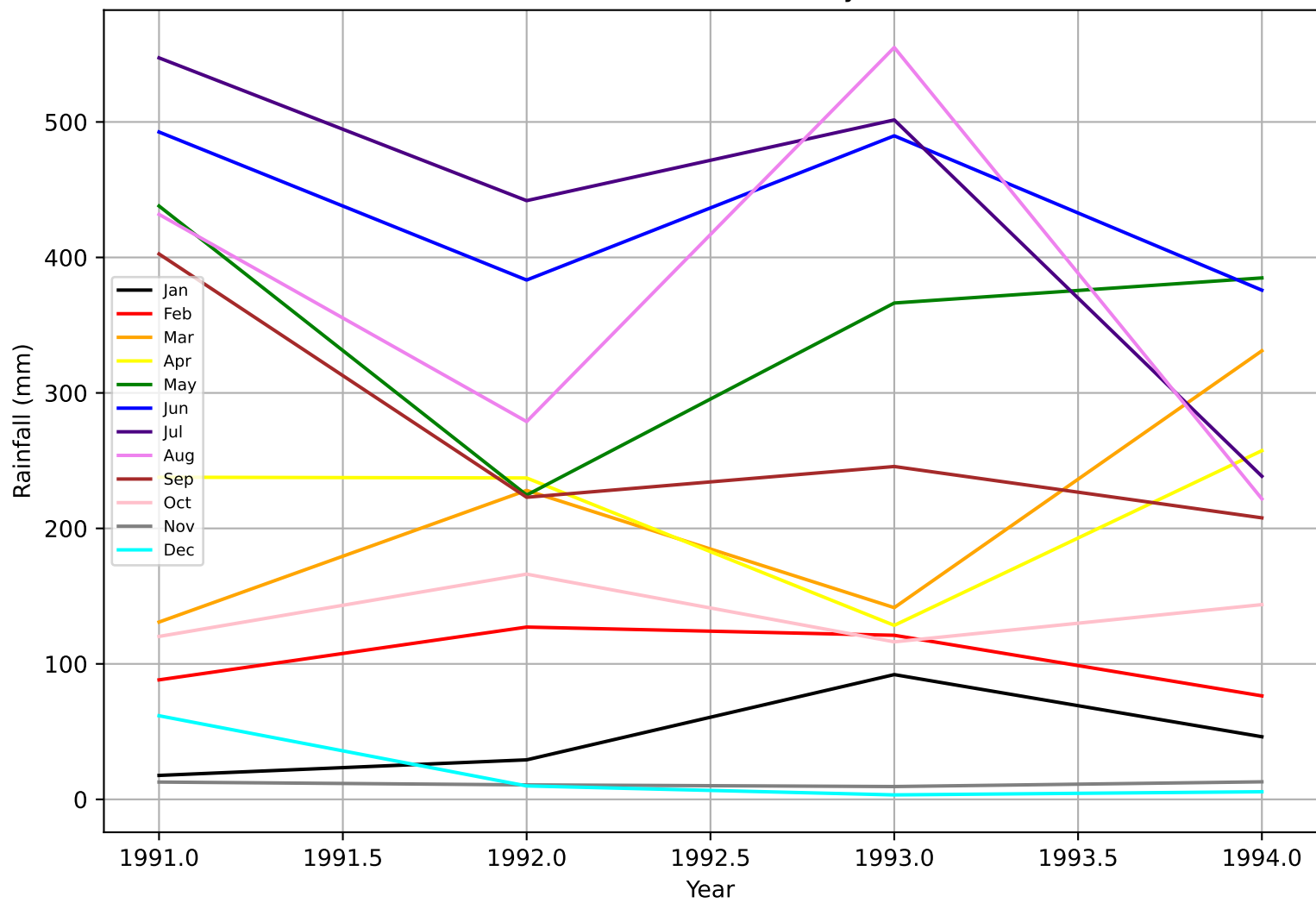




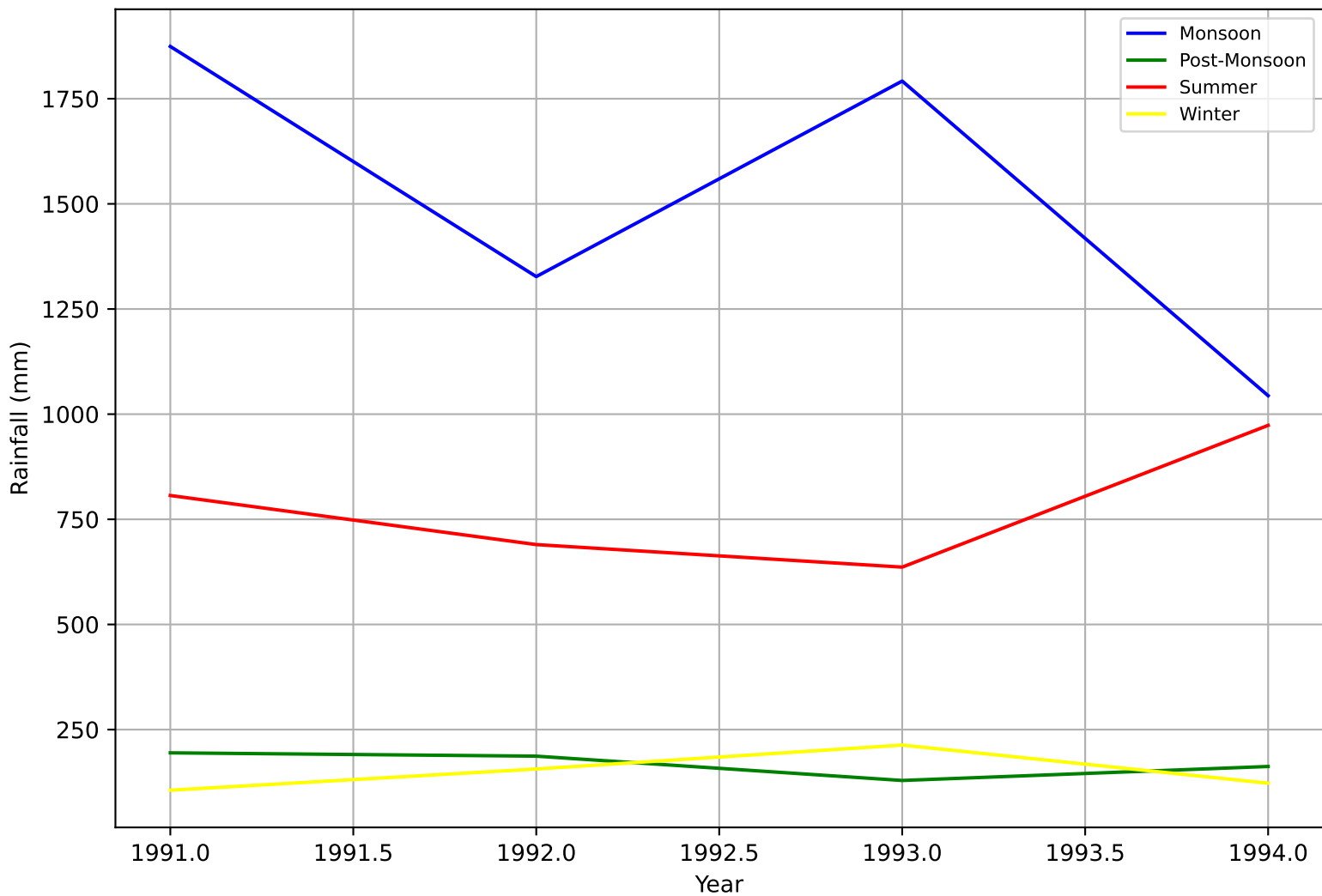
Arunachal Pradesh - Daily Rainfall



### Arunachal Pradesh - Monthly Trends



### Arunachal Pradesh - Seasonal Trends



## Arunachal Pradesh - Rainfall Category Summary

No Rain: 257 days

Trace: 28 days

Very Light Rain: 335 days

Light Rain: 287 days

Moderate Rain: 463 days

Rather Heavy: 31 days

Heavy Rain: 0 days

Very Heavy Rain: 0 days

Extremely Heavy Rain: 0 days

## Arunachal Pradesh - Summary Statistics

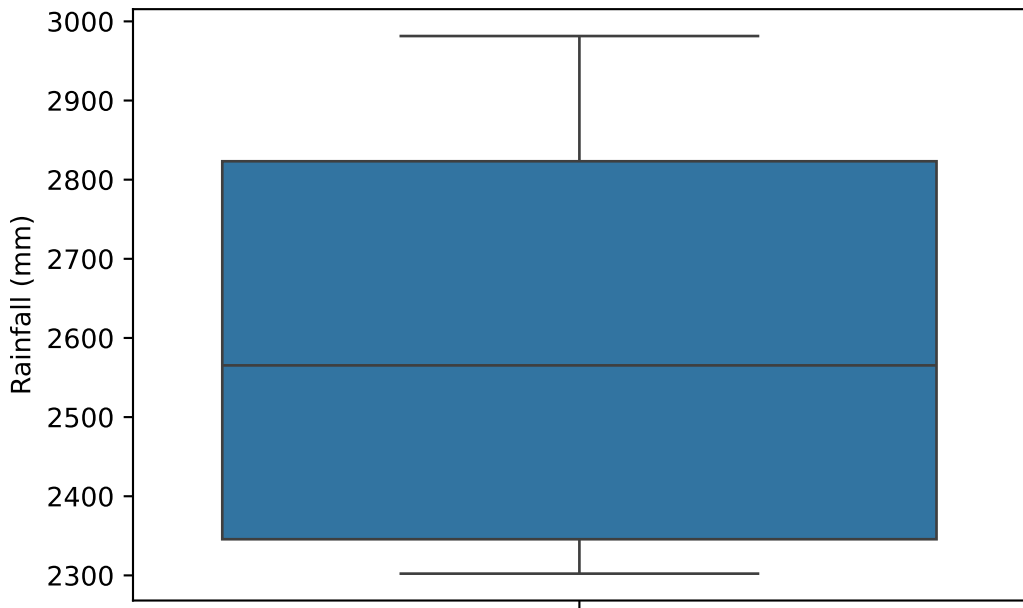
Mean (with zeros): 7.13

Mean (no zeros): 8.65

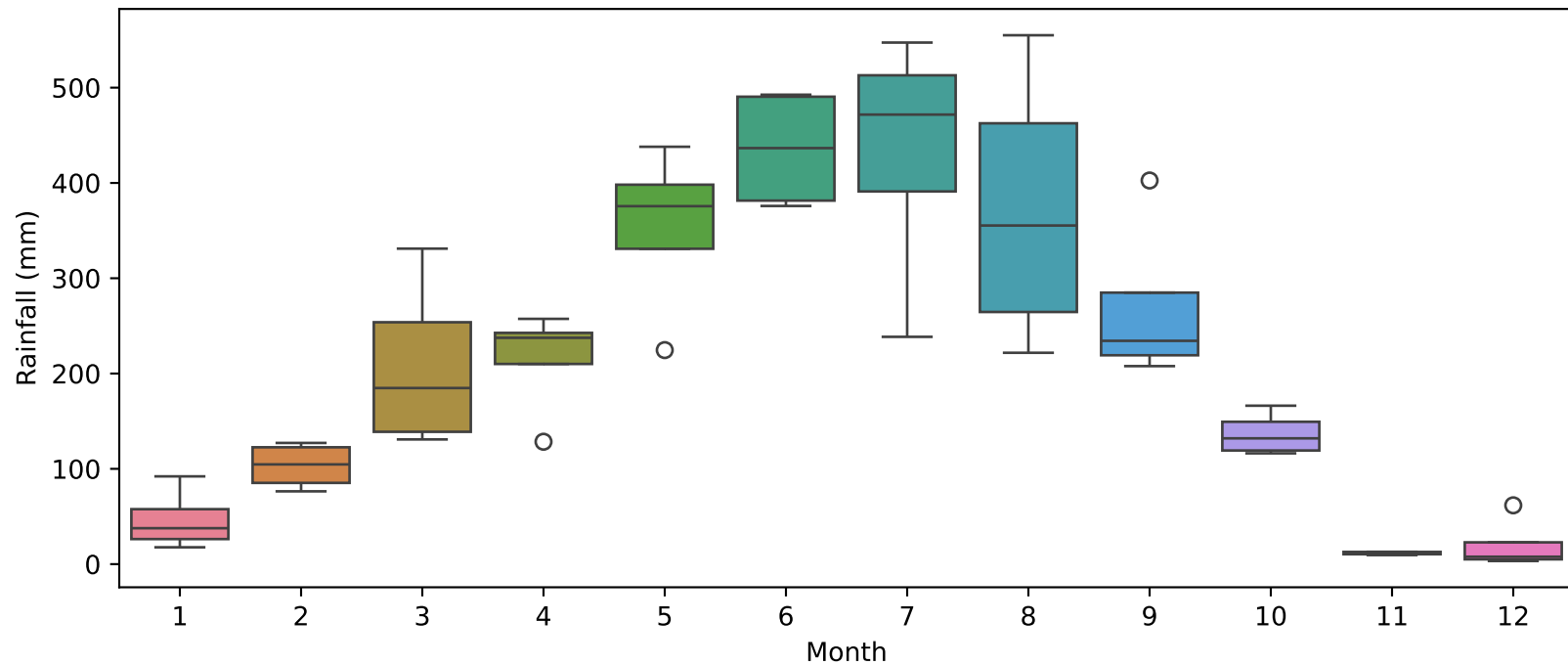
Mode (with zeros): 0.00

Mode (no zeros): 0.00

Arunachal Pradesh - Annual Totals



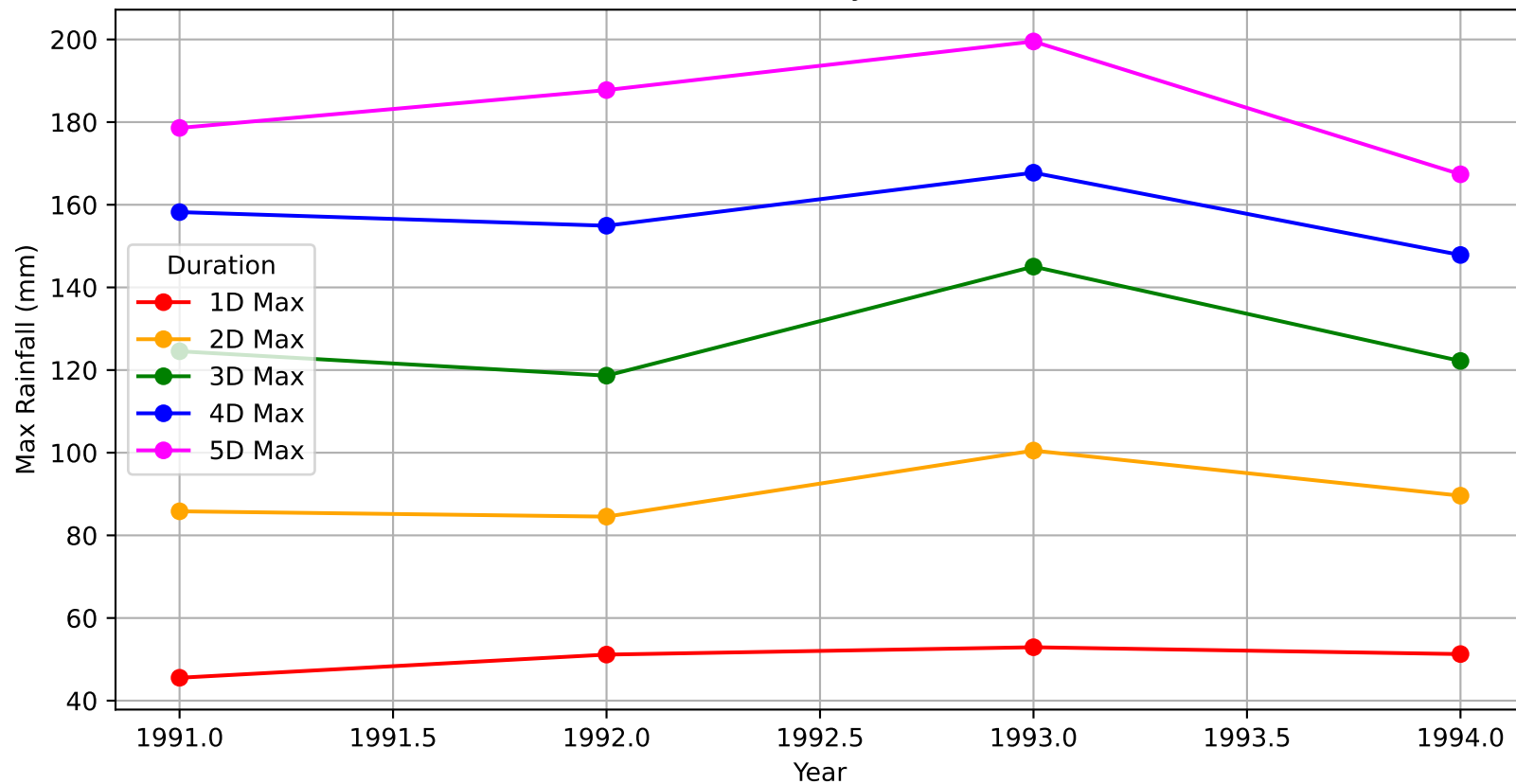
Arunachal Pradesh - Monthly Totals



## Arunachal Pradesh - 1D to 5D Extreme Events

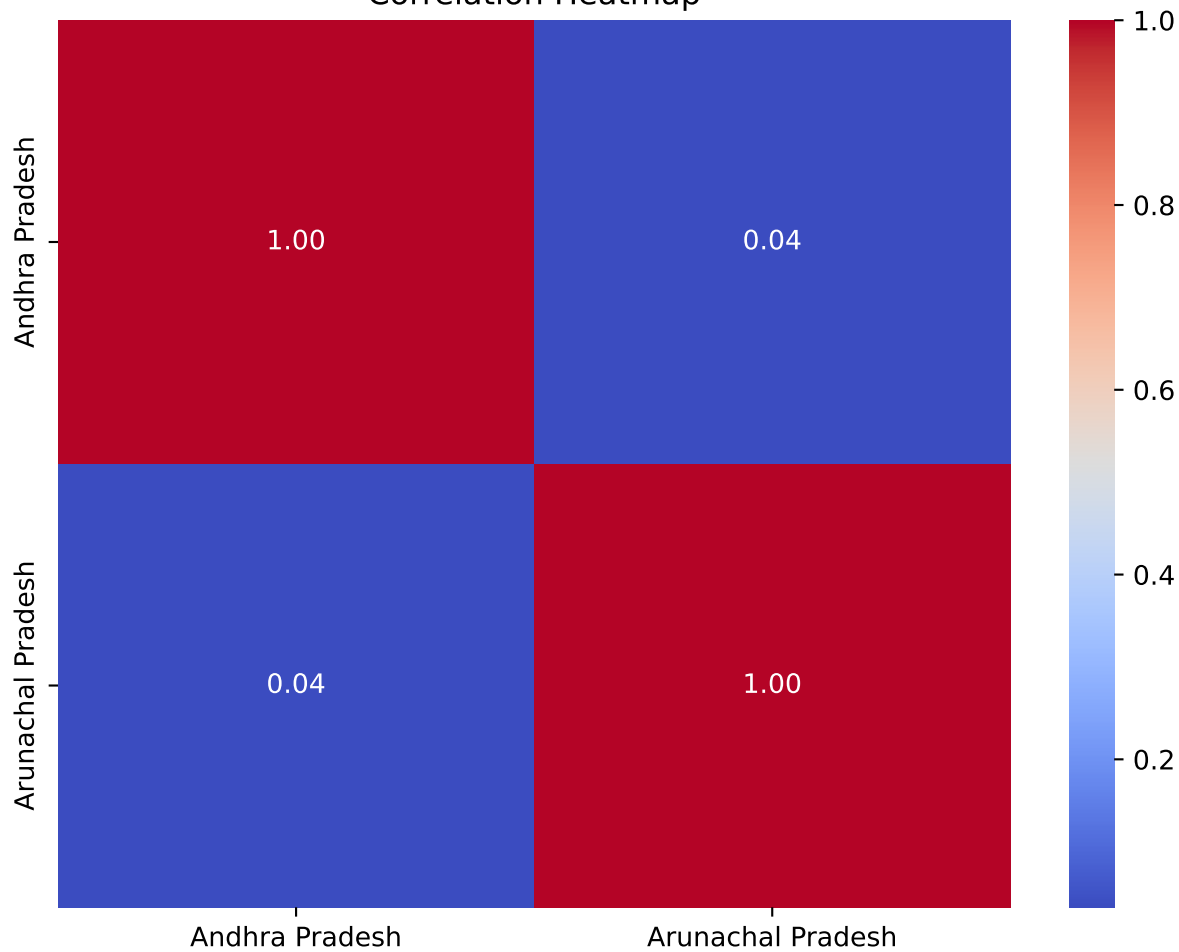
|  | Rainfall (mm) |
|--|---------------|
|  | 52.93         |
|  | 7.13          |
|  | 100.52        |
|  | 14.26         |
|  | 145.03        |
|  | 21.41         |
|  | 167.75        |
|  | 28.56         |
|  | 199.51        |
|  | 35.72         |

Arunachal Pradesh - 1 to 5 Day Extreme Rainfall (Trend)

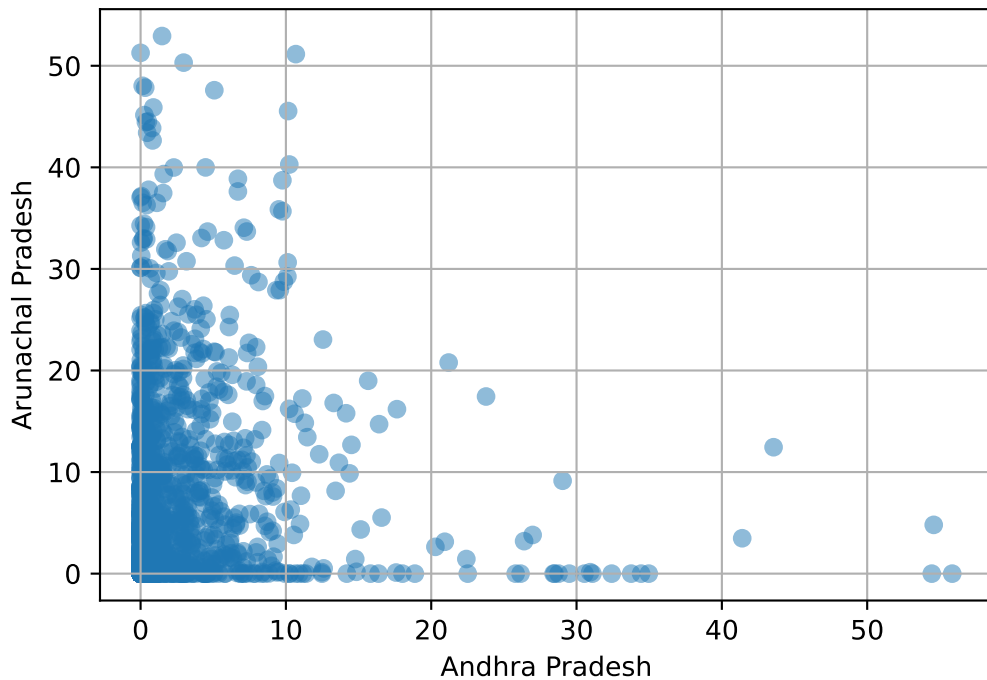




Correlation Heatmap



Scatter: Andhra Pradesh vs Arunachal Pradesh



Mann-Kendall Trend: No trend  
P-value: 1.0000  
Sen's Slope: -41.50

# Andhra Pradesh - Annual Trend Analysis

Mann-Kendall Trend Analysis  
Arunachal Pradesh - Annual Trend Analysis  
P-value: 0.3082  
Sen's Slope: -162.75

PCA Projection (Top 2 Components)

