

Climate Data Analysis Report

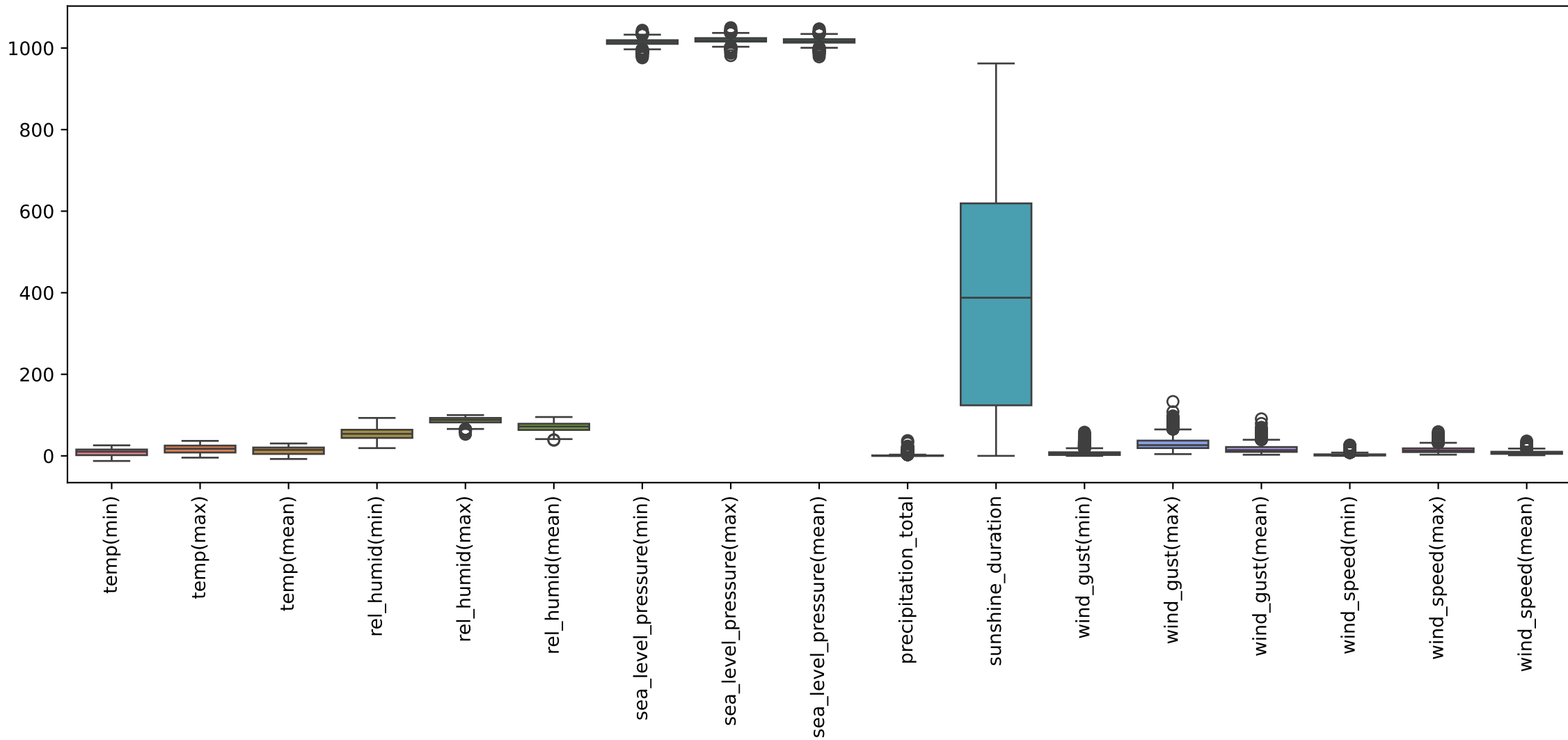
Dataset Shape: (1763, 17)

Columns Processed: 17

Step 1: Data Loading

- Data loaded successfully.
- 'snowfall_amount' dropped (too sparse).
- Missing values check passed.

Distribution of Raw Data (Checking for Outliers)



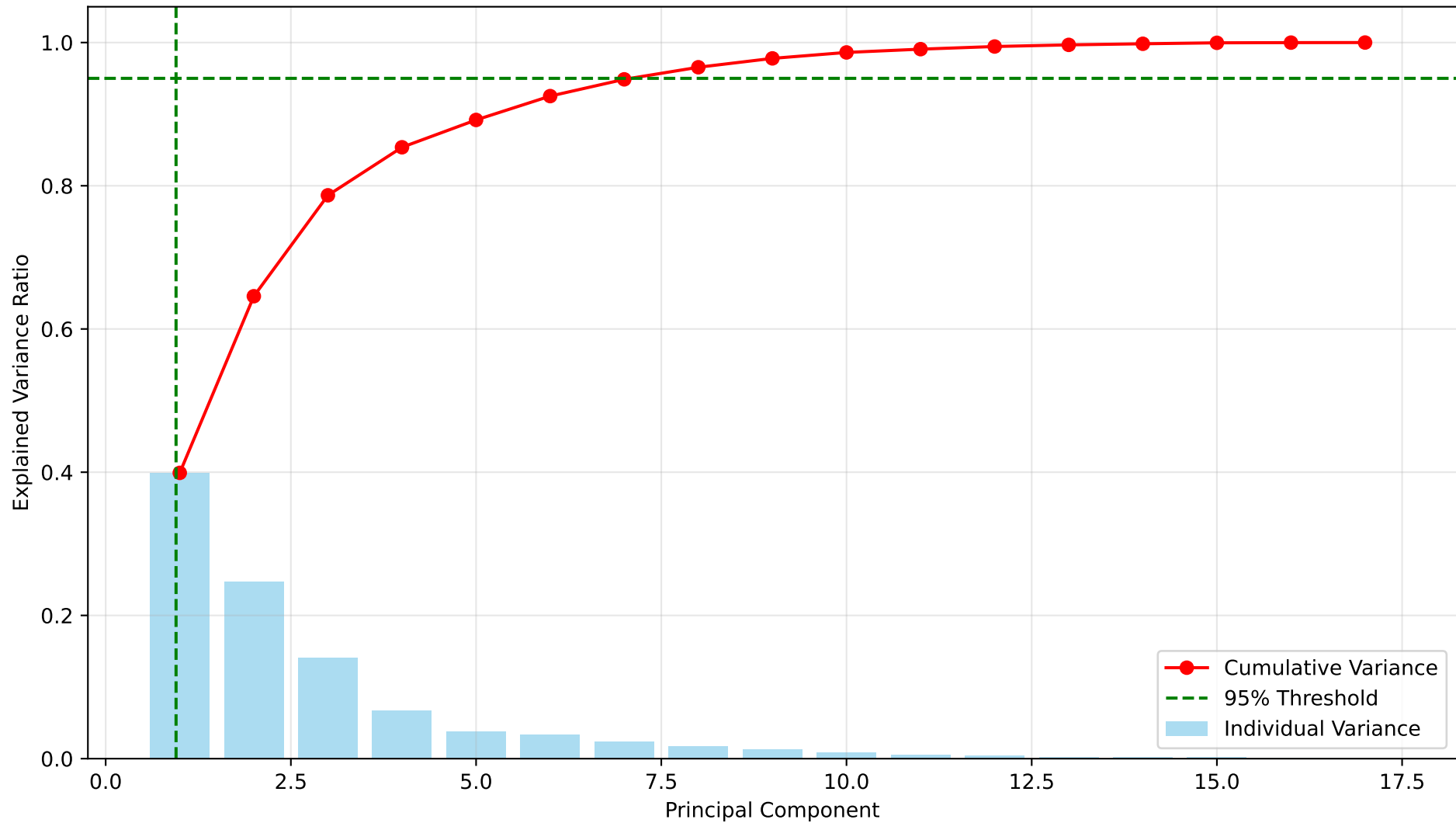
Analysis: Standard Scaler

Method: Standard Scaler

Process:

1. Data was scaled according to the method.
2. PCA was applied to the full feature set.
3. The plot on the next page shows variance explained.

PCA Analysis: Standard Scaler



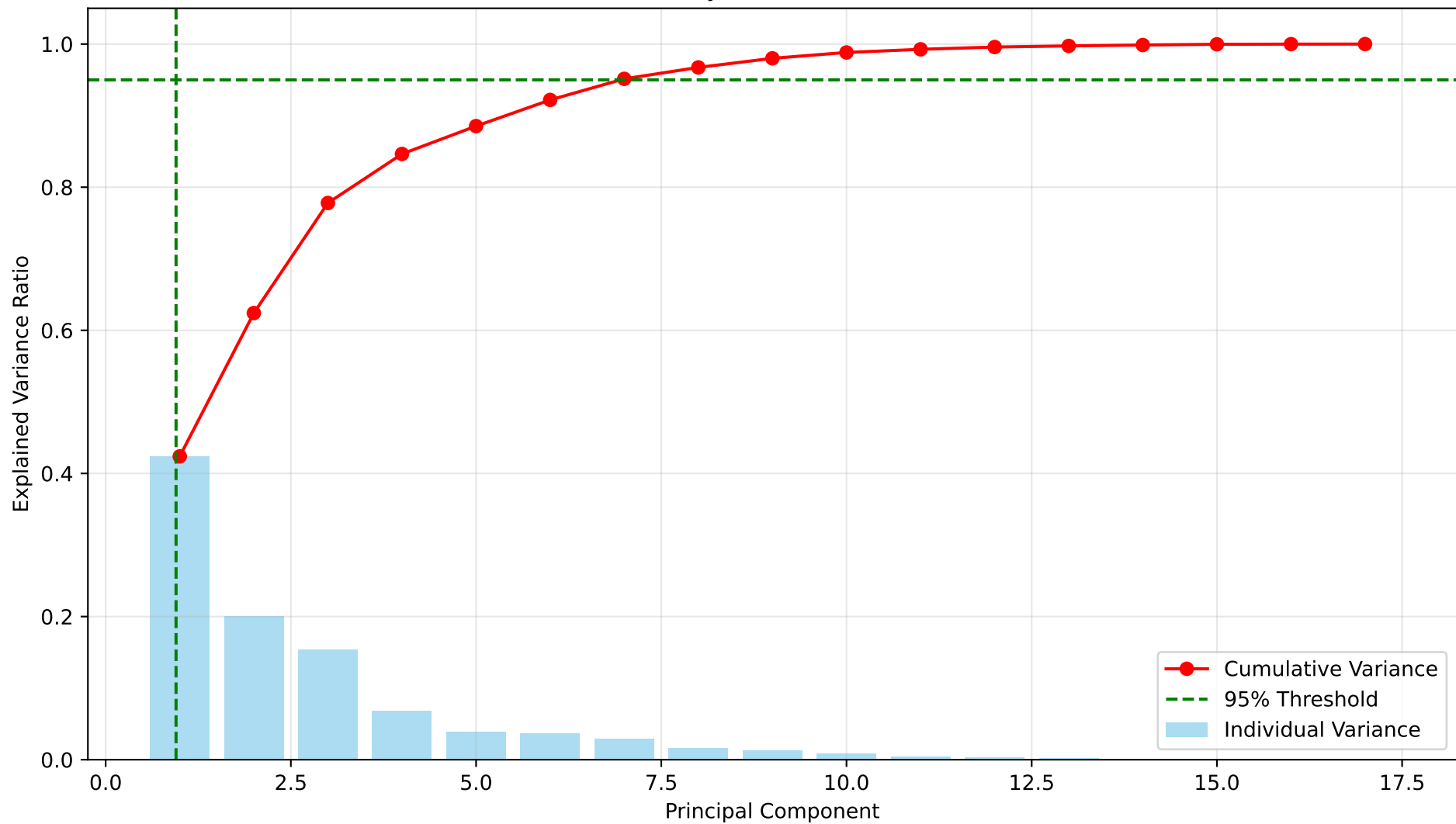
Analysis: MinMax Scaler

Method: MinMax Scaler

Process:

1. Data was scaled according to the method.
2. PCA was applied to the full feature set.
3. The plot on the next page shows variance explained.

PCA Analysis: MinMax Scaler



Analysis: Robust Scaler

Method: Robust Scaler

Process:

1. Data was scaled according to the method.
2. PCA was applied to the full feature set.
3. The plot on the next page shows variance explained.

PCA Analysis: Robust Scaler

