

# Rainfall Analysis

Autumn

Monsoon

Summer

Winter

District

All

Years

All

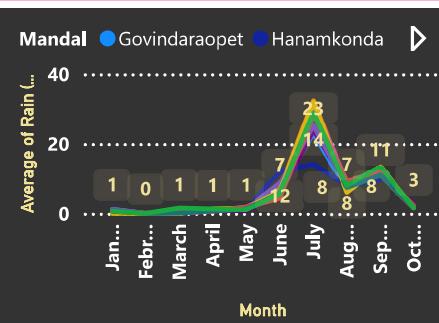
## Average Rainfall Details on various district

Year	Adilabad	Bhadradri Kothagudem
2021	5.26	4.92
2022	4.94	4.56
2023	3.81	3.91

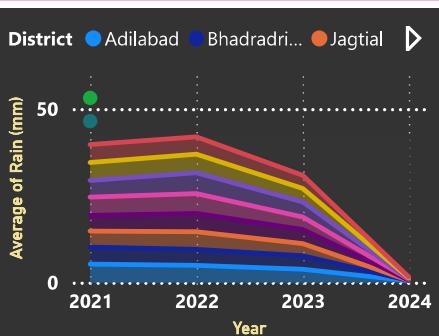
### Average of Rain (mm) by Top 10 District



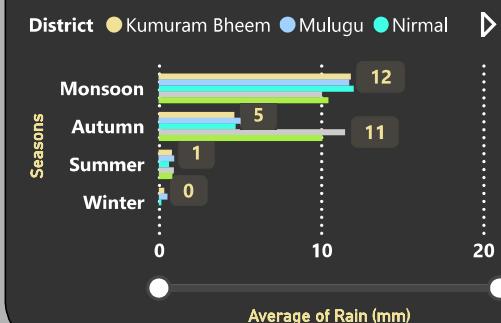
### Average of Rain (mm) by Month and Top 10 Mandal



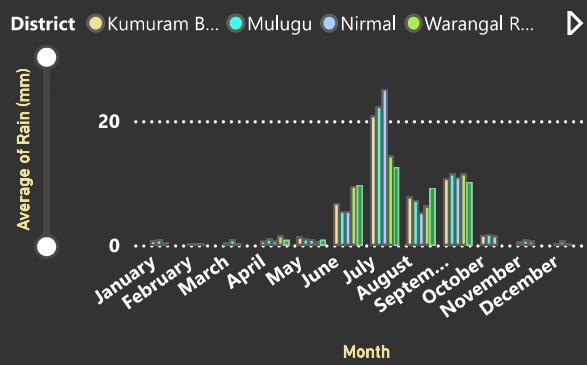
### Average of Rain (mm) by Year and Top 10 District



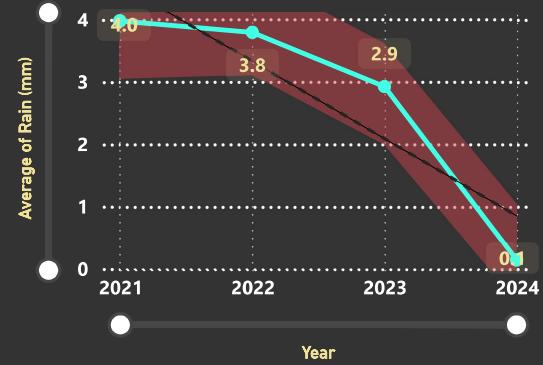
### Average of Rain (mm) by Seasons and Top 5 District



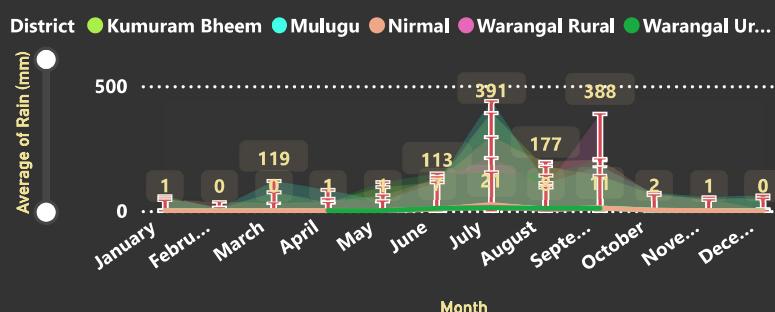
### Average of Rain (mm) by Month and Top 5 District



### Average of Rain (mm) by Year

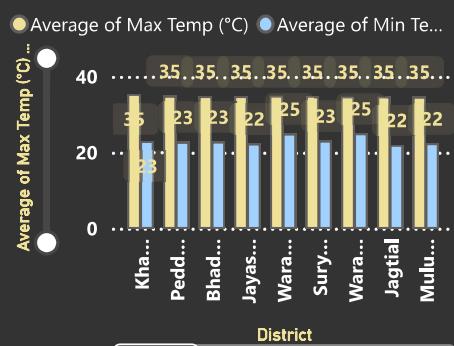


### Average Rainfall by Month and Top 5 District Intensity wise

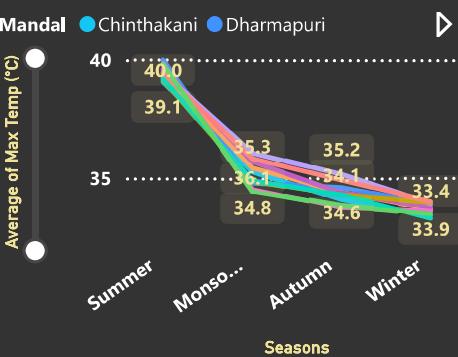


# Temperature Insights Dashboard

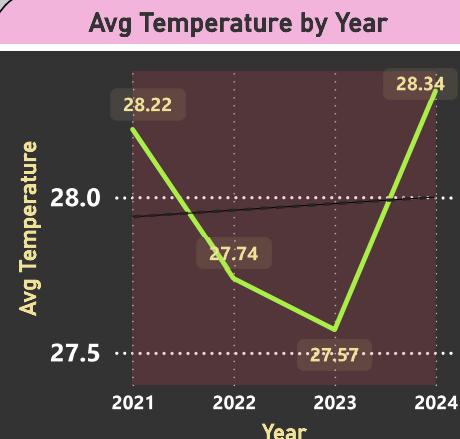
Average of Max Temperature and Min Temperature by Top 10 District



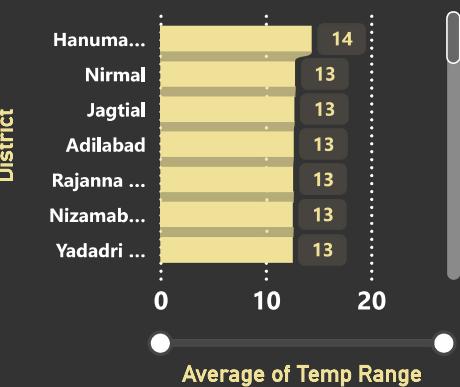
Average of Max Temp (°C) by Seasons and Top 10 Mandal



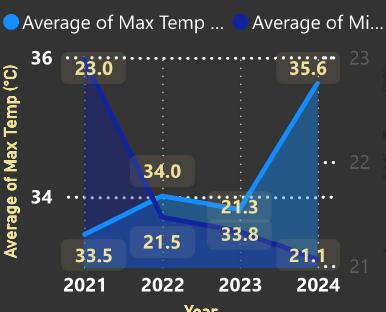
Avg Temperature by Year



Average of Temp Range by District



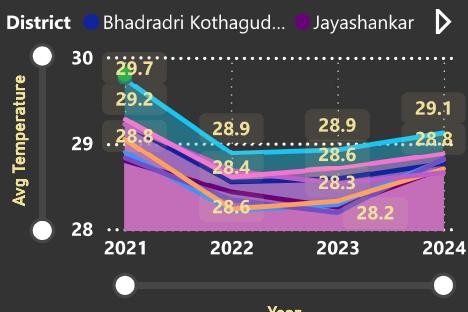
Average of Max Temp and Min Temp by Year



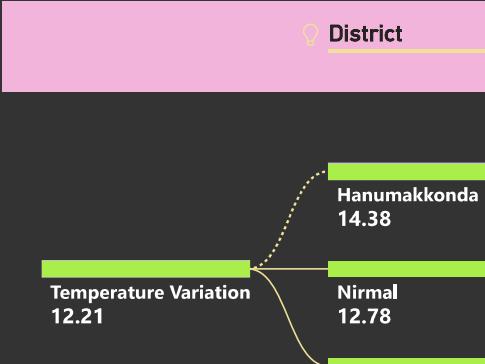
District wise period of extreme Temperature

District	Year	Avg Temp
Adilabad	2021	
Adilabad	2021	
Adilabad	2022	
Adilabad	2022	
Adilabad	2023	
Total		

Avg\_Temperature by Year and Top 10 District



Avg Temperature\_Variation by Top 10 District



# Humidity Patterns Dashboard

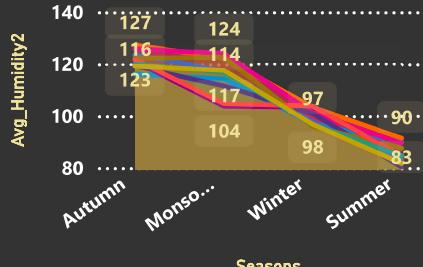
Average of Max Humidity and Min Humidity by Top 10 District

Average of Max Hu... Average of Min ...



Avg\_Humidity by Seasons and Top 10 Mandal

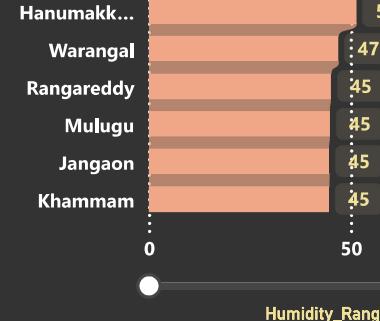
Mandal Aswaraopeta Bhadrachalam



Avg\_Humidity by Year

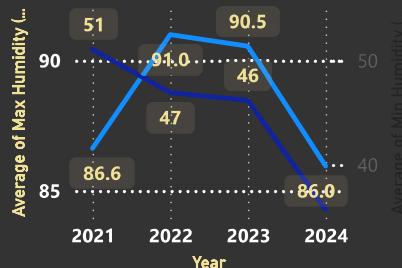


Humidity\_Range by Top 10 District



Average of Max Humidity and Min Humidity by Year

Average of Max Hu... Average of Min ...



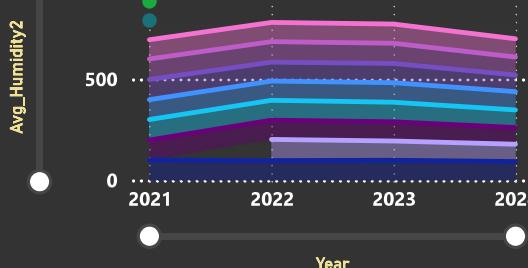
Period of Extreme humidity District wise

District Years

District	Years
Adilabad	2021
Adilabad	2022
Adilabad	2023
Adilabad	2024
Bhadradri Kothagudem	2021

Avg\_Humidity by Year and Top 10 District

District Bhadradi K... Hanumako... Jayashankar



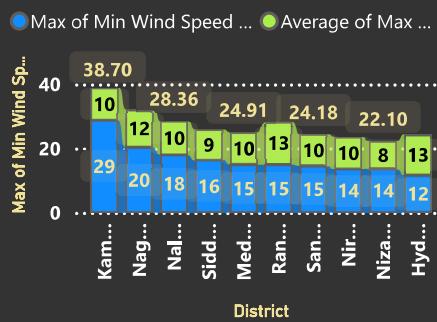
District Wise Humidity Variation Levels

District Humidity

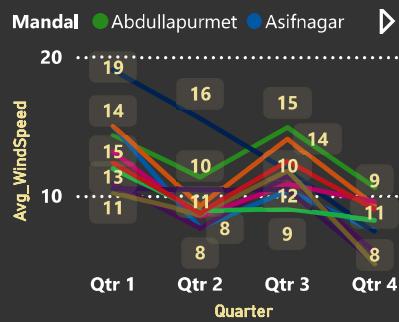
District	Humidity
Adilabad	High Varia
Adilabad	Moderate
Adilabad	Stable
Bhadradri Kothagudem	High Varia
Bhadradri Kothagudem	Moderate

# Wind Speed Analysis Dashboard

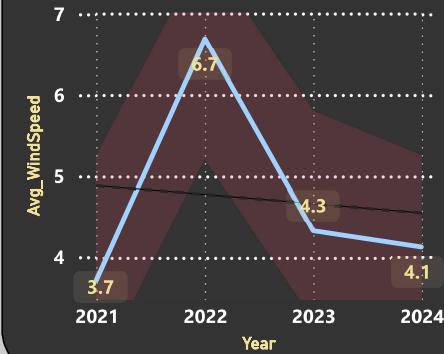
Average of Min Wind Speed and Max Wind Speed by Top 10 District



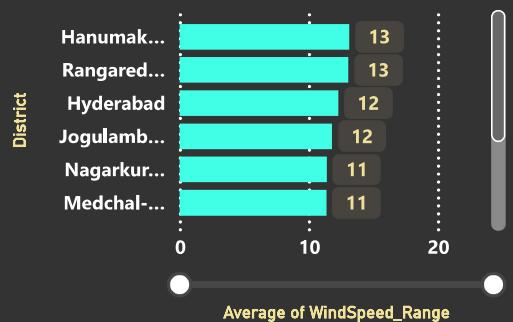
Avg\_WindSpeed by Quarter and Top 10 Mandal



Avg\_WindSpeed by Year



Average of WindSpeed\_Range by Top 10 District



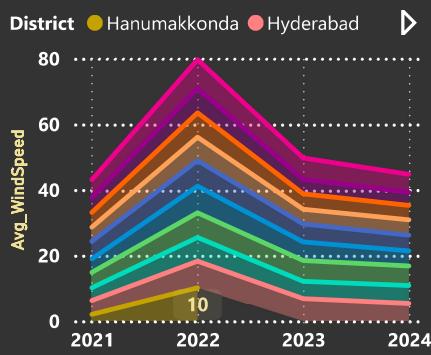
Sum of Max Wind Speed and Min Wind Speed by Year



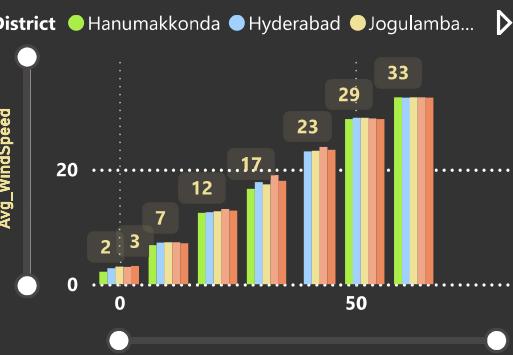
Period of Extreme Wind speed District wise

District	Seasons
Yadadri Bhuvanagiri	Autumn
Yadadri Bhuvanagiri	Monsoon
Yadadri Bhuvanagiri	Summer
Yadadri Bhuvanagiri	Winter
Warangal Urban	Autumn
Warangal Urban	Monsoon
Total	

Avg\_WindSpeed by Year and Top 10 District



Avg\_WindSpeed by speed range in Top 5 District



# Comprehensive Weather Insights

Average Wind Speed

**4.86**

Average Min Temp

**21.77**

Average Max Temp

**33.98**

Average Humidity

**91.12**

Average Rain (in mm)

**3.16**

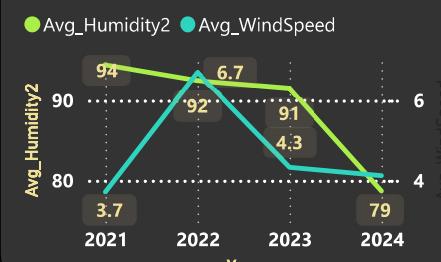
## Observations:

1. Weather is Changing – Over the years, we've noticed shifts in rain, humidity, wind, and temperature.

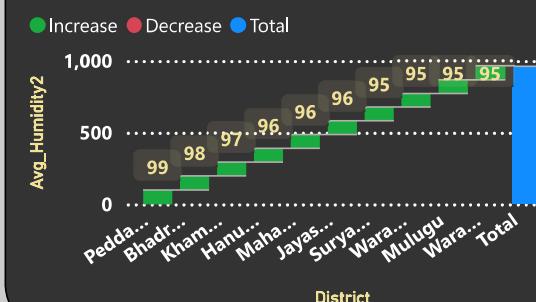
Avg\_WindSpeed by Top 5 District Year Wise



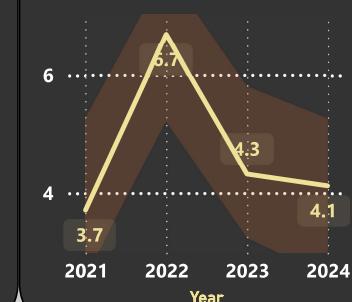
Avg\_Humidity and WindSpeed by Year



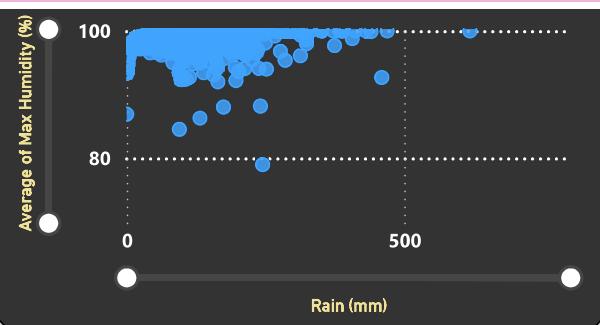
Avg\_Humidity by District and Seasons



Avg\_WindSpeed by Year



Average of Max Humidity (%) by Rain (mm)



Period of extreme Weather Events

District	Year	Month
Adilabad	2021	Januar
Adilabad	2022	Januar
Adilabad	2023	Januar
Adilabad	2024	Januar
Ramandri, Kothagudem	2021	Januar
Total		

Average of Humidity ,Rain (mm) and WindSpeed Month Wise

