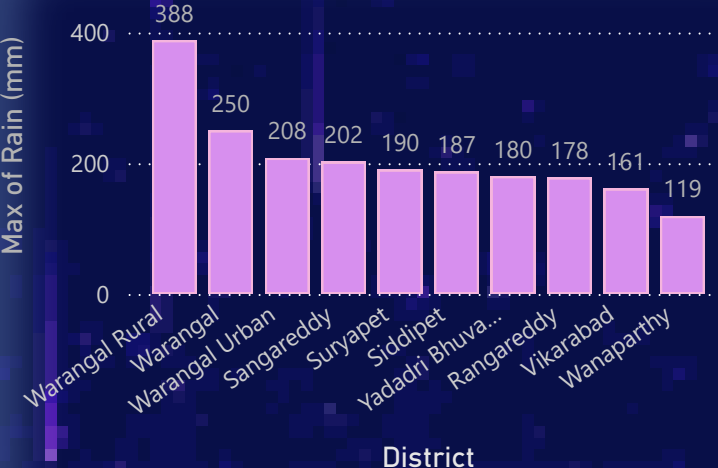


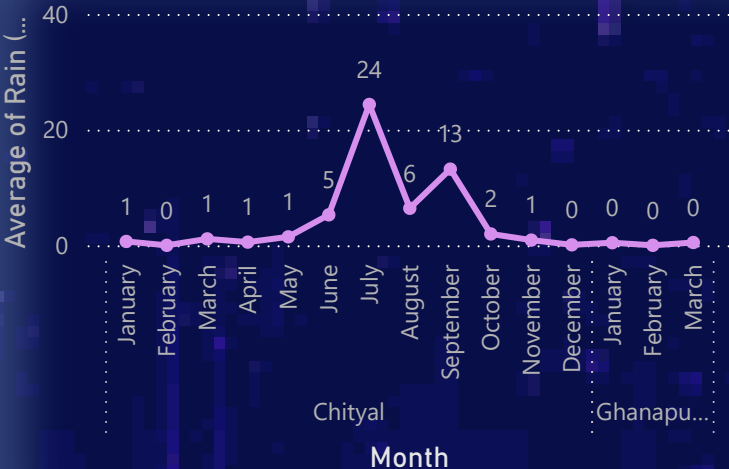
# Telangana Rainfall Analysis

Filter

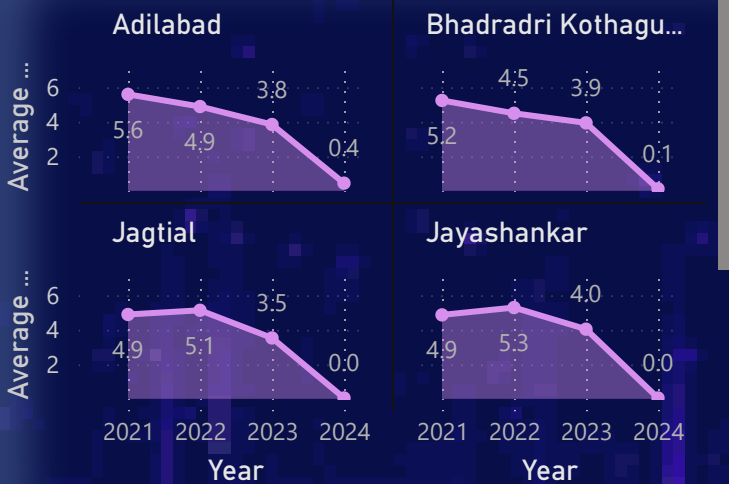
Highest average rainfall by district



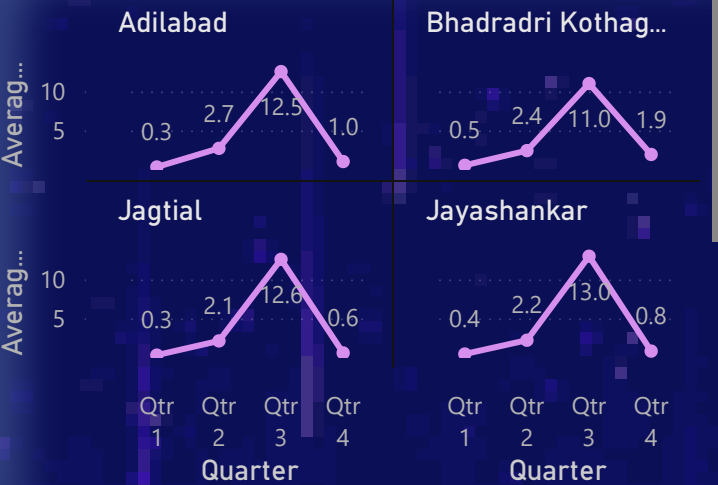
Monthly rainfall across mandals



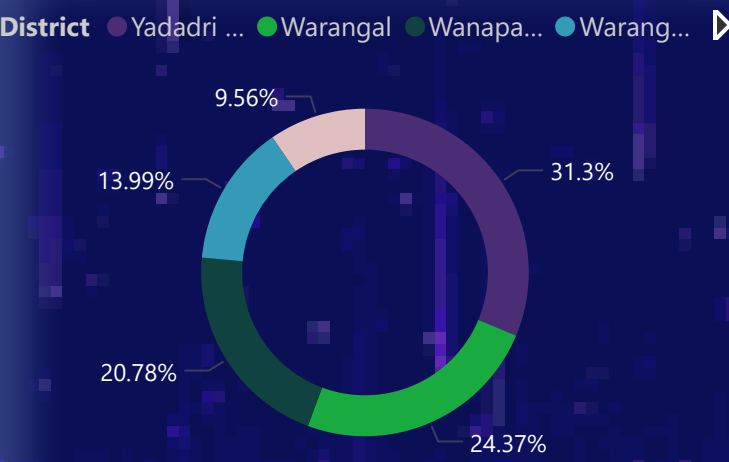
Yearly rainfall trend for each district



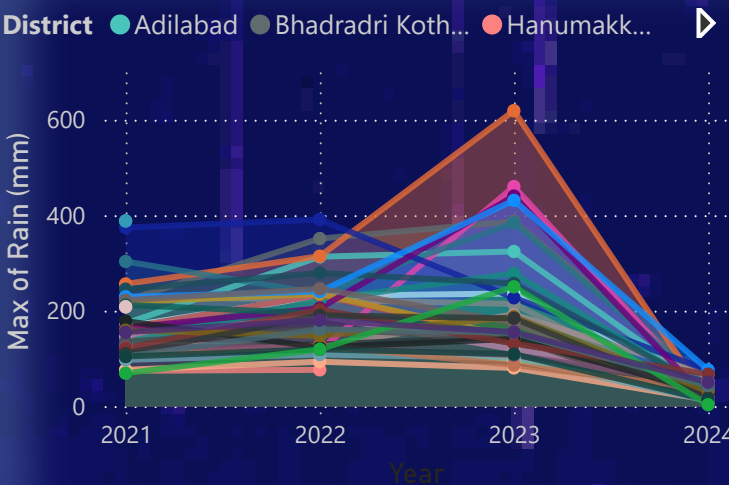
Rainfall change by quarters across districts



Yearly rainfall percentage in each district



Find periods of heavy rainfall in each district.



# Telangana Temperature Analysis

Duration

All

District

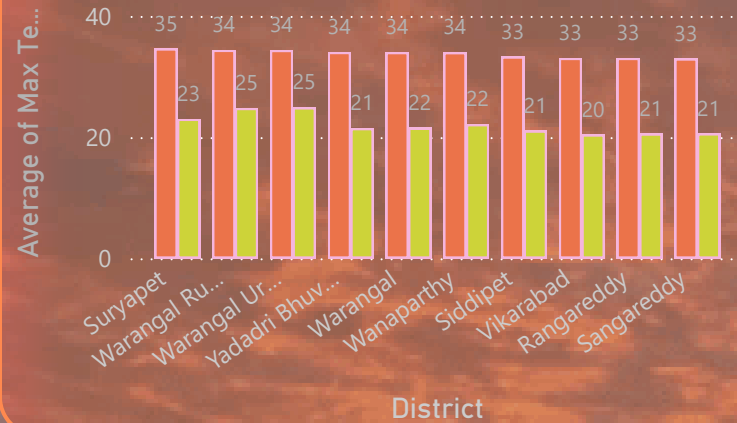
All

Mandal

All

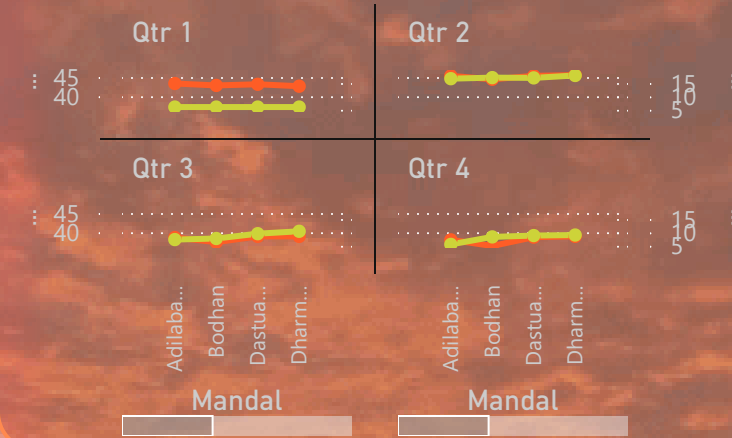
Average min and max temperature by district

○ Average of Max Temp (°C) ● Average of Min Temp (°C)



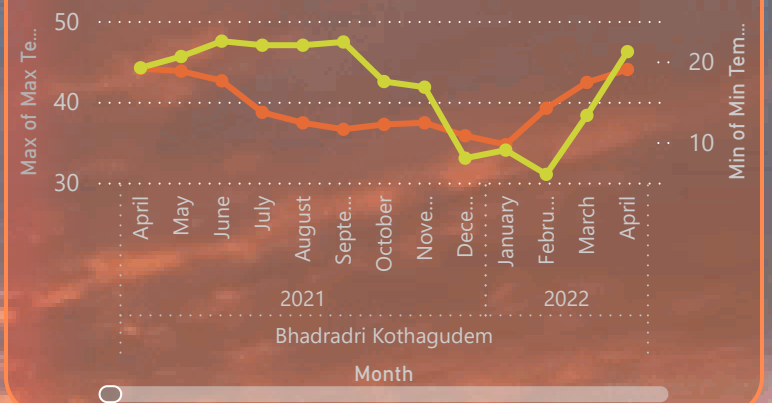
Temperature change by quarters across mandals

● Max of Max Temp (°C) ● Min of Min Temp (°C)



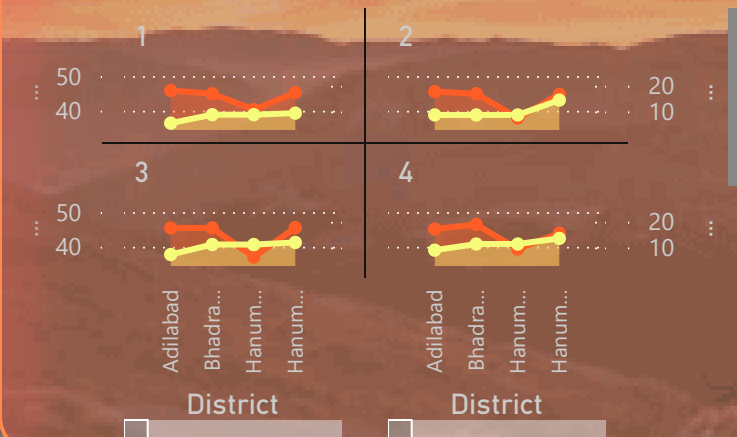
Temperature distribution across districts during the years

● Max of Max Temp (°C) ● Min of Min Temp (°C)



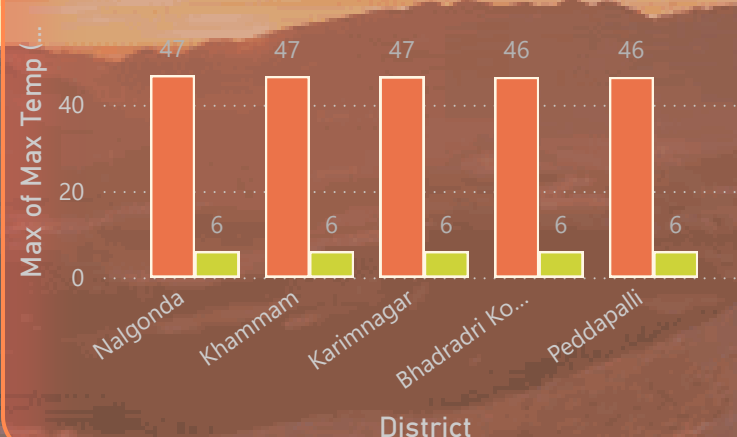
Daily temperature range in each district

● Max of Max Temp (°C) ● Min of Min Temp (°C)



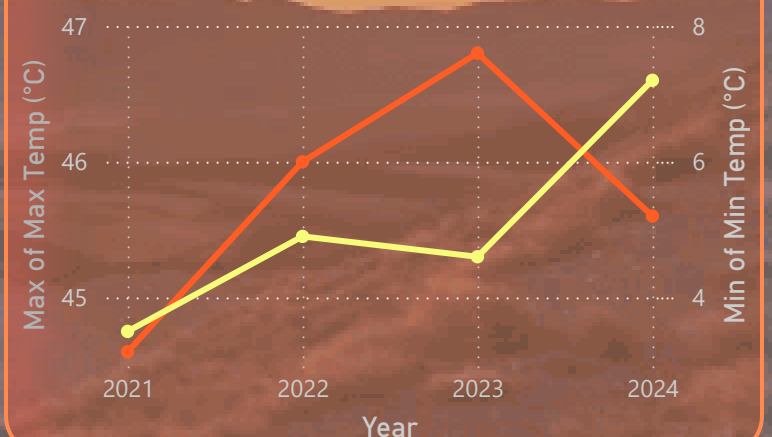
Periods of extreme temperatures in each district.

○ Max of Max Temp (°C) ● Min of Min Temp (°C)



Yearly trend of min and max temperatures

● Max of Max Temp (°C) ● Min of Min Temp (°C)



# Telangana Humidity Analysis

Duration

All

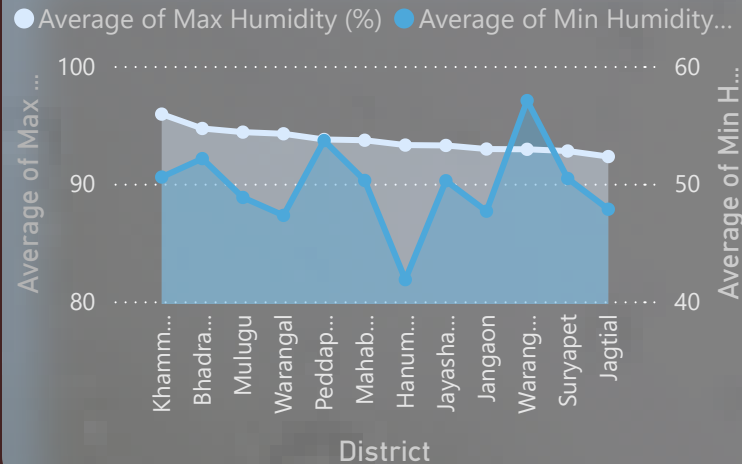
District

All

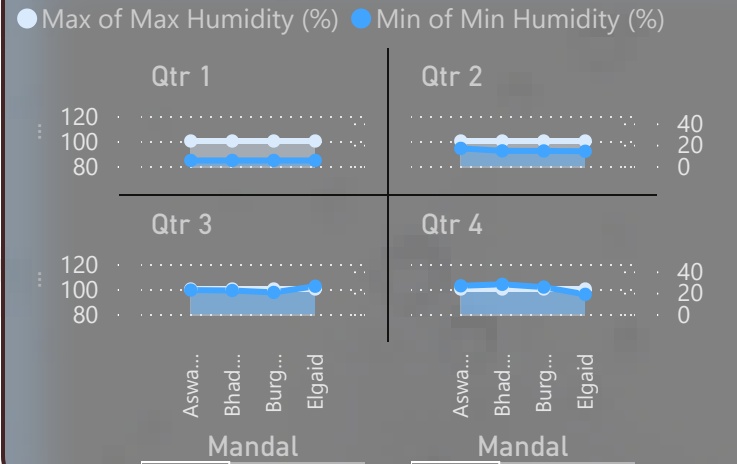
Mandal

All

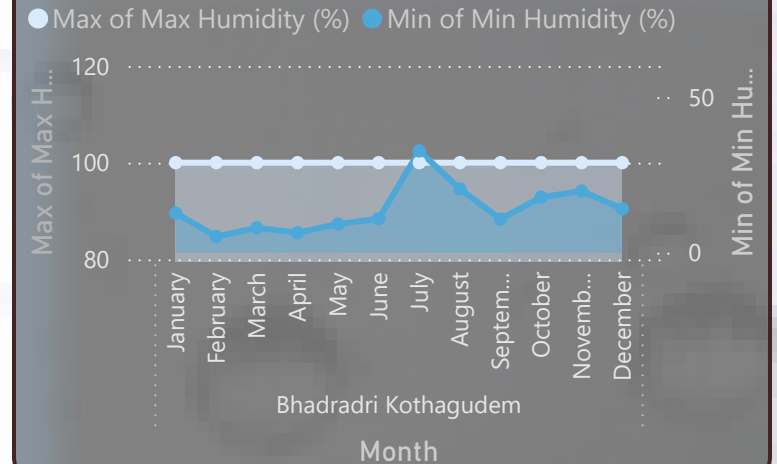
## Average min and max humidity across districts.



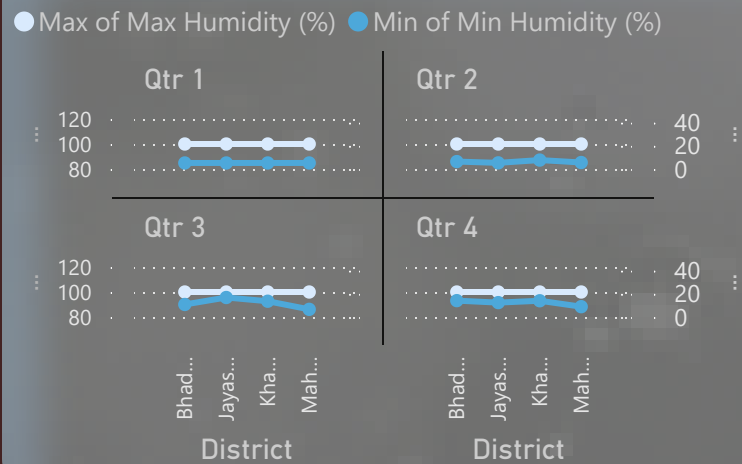
## Humidity levels by quarters across mandals



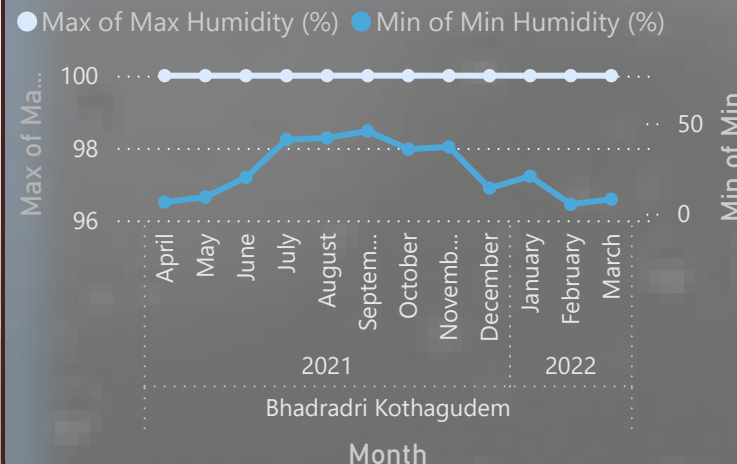
## Min and max humidity levels across year



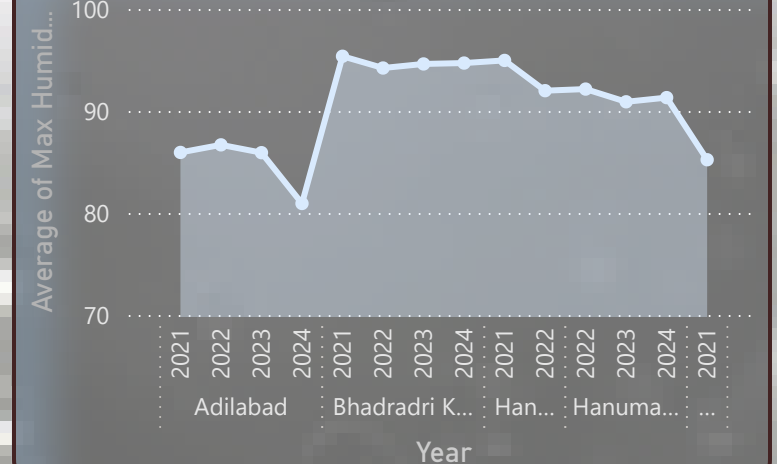
## Humidity levels by quarters across districts



## Yearly trend of min and max humidity levels



## Periods of extreme humidity in each district



# Telangana Wind-speed Analysis

Duration

All

District

All

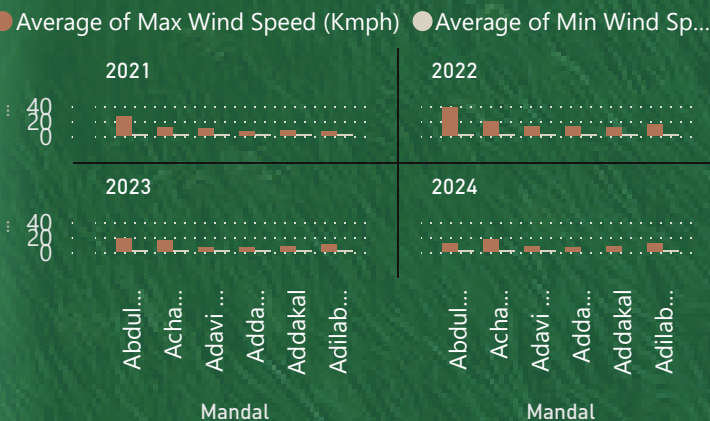
Mandal

All

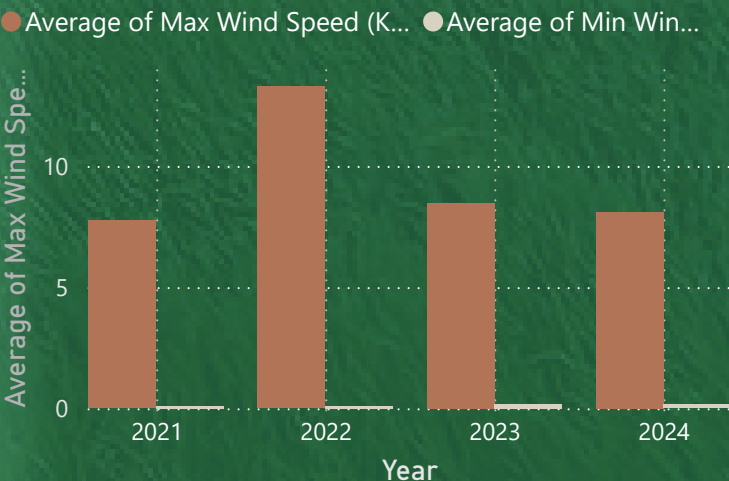
Average min and max wind speeds by district

District	Avg max wind	Avg min wind
Adilabad	8.67	0.11
Bhadradi	7.88	0.05
Kothagudem		
Hanumakkonda	13.18	0.04
Hanumakonda	7.07	0.05
Hyderabad	12.72	0.25
Jagtial	8.81	0.05
Jangaon	11.13	0.12
Jayashankar	9.88	0.08
Jogulamba Gadwal	12.27	0.30
Kamareddy	10.05	0.19
Total	9.72	0.14

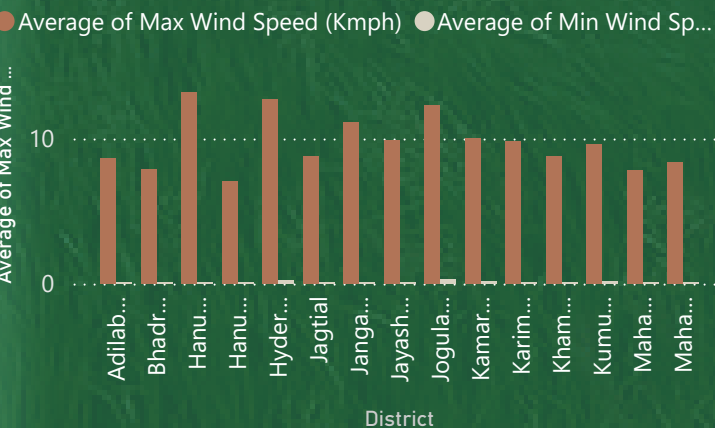
Wind speed change throughout the years across mandals



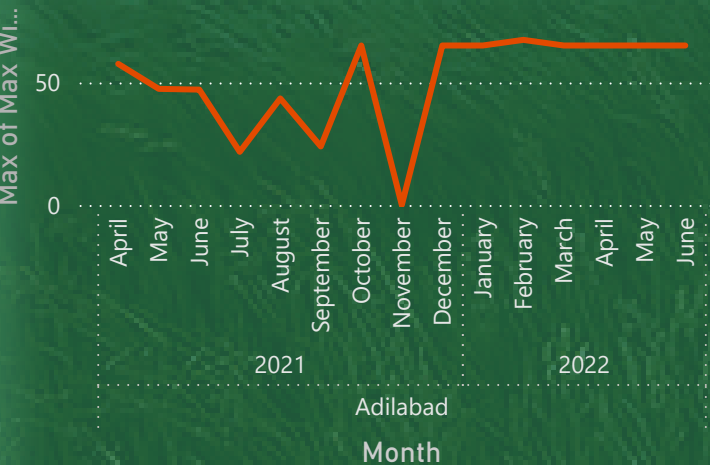
Yearly trend of min and max wind speeds



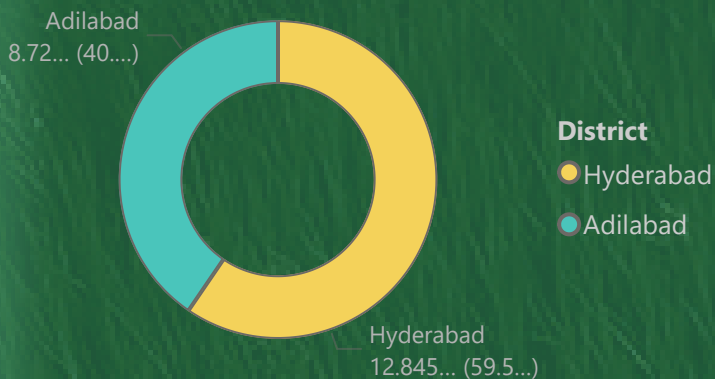
Wind speeds distribution across districts during the year



Periods of extreme wind speeds in each district

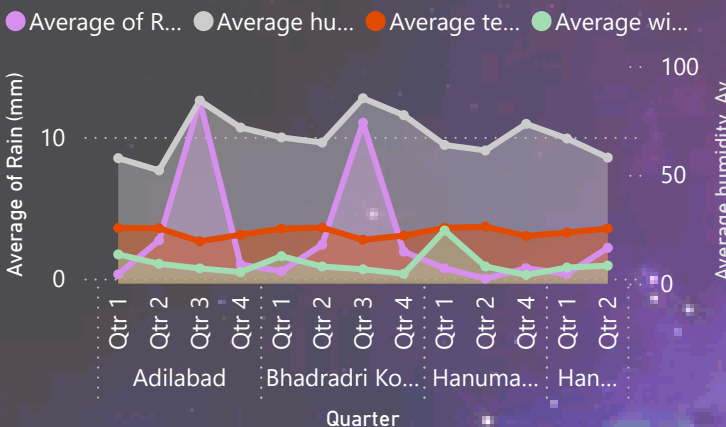


Average wind speed comparison between two districts

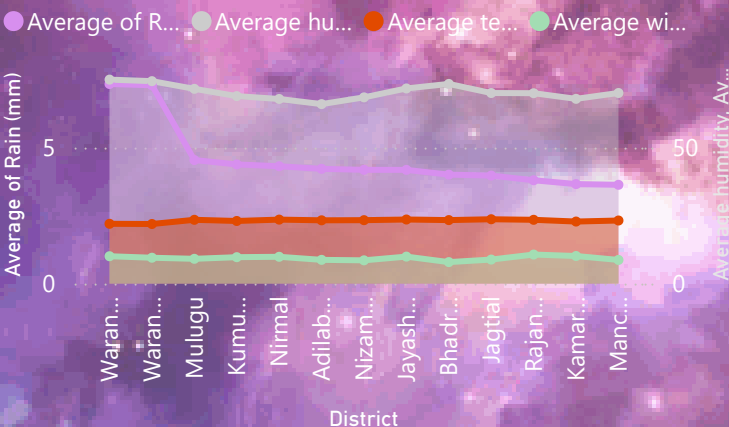


# Telangana comprehensive Weather Analysis

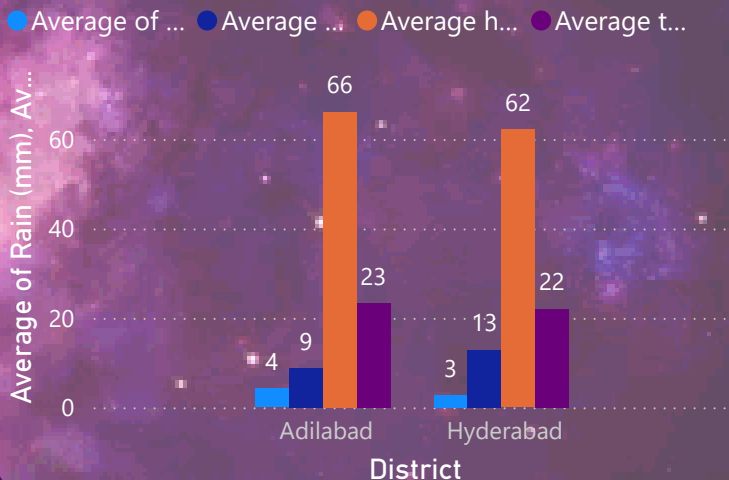
Rainfall, temperature, humidity, and wind speed distribution during the years



Key weather metrics by district: rainfall, temperature, humidity, and wind speed



Overall weather patterns between two districts



3.21

Average of Rain (mm)

68.81

Average humidity

23.07

Average temp

9.79

Average wind speed

Yearly trends in key weather metrics

Year	Average of Rain (mm)	Average temp	Average wind speed	Average humidity
2021	4.22	21.78	7.80	72.84
2022	3.78	23.30	13.33	68.88
2023	2.94	23.15	8.56	68.37
2024	0.14	25.10	8.17	60.83
Total	3.21	23.07	9.79	68.81



## Mandal

Max of Rain (mm)

Average temp

## Average humidity

Average wind sp...

Location	2021	2022	2023	2024	2025
Adilabad	86	87	87	81	86
Bhadradi Koth...	96	95	95	96	95
Hanu...	95	93	92	91	87
Hanumak...	92	93	91	91	86
Hyderabad	84	84	83	77	93
Jagtial	93	93	93	88	94
J...	94	94	94	94	94

Max of Max Temp (°C) Min of Min Temp (°C)

Max of M... Min of Mi...

District Date Month

**District**

- Nizamabad
- Kumuram ...
- Jayashankar
- Mulugu
- Hanumako...

● Max of Max Temp (°C) 
 ● Min of Min Temp (°C)

Location	Year	Max of Max Temp (°C)	Min of Min Temp (°C)
Bhadradri Koth...	2021	44	10
	2022	45	10
	2023	46	10
	2024	45	10
	2025	44	10
Karimnagar	2021	46	10
	2022	47	10
	2023	46	10
	2024	43	10
	2025	46	10
Khammam	2021	47	10
	2022	45	10
	2023	43	10
	2024	47	10
	2025	45	10
N. Nellore	2021	43	10
	2022	46	10
	2023	47	10
	2024	45	10
	2025	43	10

Location	2021	2022	2023	2024
Adilabad	65	68	70	58
Bhadradi Koth...	65	68	70	65
Hanu...	65	68	65	45
Hanumak...	58	60	65	70

Location	2021	2022	2023
Adilabad	~200	~300	~300
Bhadradi Koth...	~200	~250	~350
Hanumak...	~200	~100	~450
Jayashankar	~200	~300	~550
Karimnagar	~200	~250	~350
Kumuram ...	~200	~350	~350

This line chart displays four meteorological variables across several locations. The left Y-axis represents 'Average Rain (mm)' with a scale from 0 to 10. The right Y-axis represents 'Average humidity' with a scale from 0 to 100. The legend indicates: Average Rain (mm) is represented by a blue line with circular markers; Average humidity is represented by a grey line with circular markers; Average temp is represented by an orange line with circular markers; and Average wind speed is represented by a green line with circular markers. The X-axis labels include Adilabad, Bhadradi Koth..., Hanumakk..., Hanumakonda, Hyderabad, and J... The chart shows that humidity is consistently high, fluctuating between approximately 80% and 100%. Rainfall is generally low, with notable peaks at Adilabad and Hanumakonda. Temperature and wind speed remain relatively stable and low throughout the dataset.