



Code Basics

# TELANGANA GROWTH ANALYSIS

*Presented by: Nazeer Mohamed Sathik*





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# Introduction



Telangana is one of the fastest-growing states in India and one of the states with an open data policy.

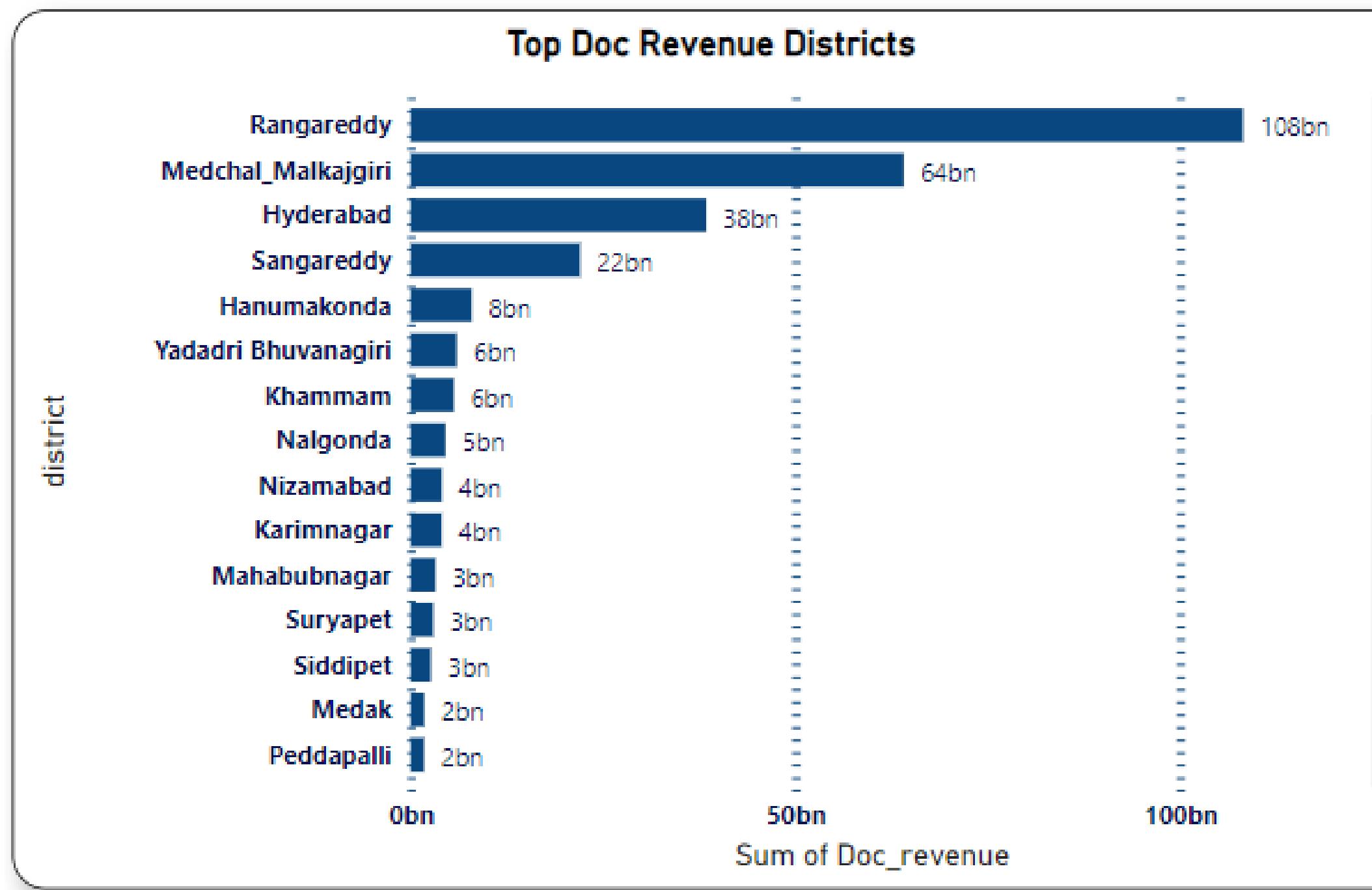
This analysis was made for give the best insights to the government that would help them to make data-informed decisions that would further support the growth of the state.

# Objectives

- Explore Stamp Registration, Transportation and Ts-Ipass Datasets. Understand their attributes, categories and time period
- Highlight significant recent economic development in the state.
- Discuss revenue generation, transportation trends, and industrial investments.
- Explore policies, initiatives, and recommendations for sustained prosperity.
- Provide insights for informed decision-making about Telangana's economic growth.
- Provide insights for informed decision-making about Telangana's economic growth.

# Stamp Registration

- Top 5 districts that showed the highest document registration revenue growth between FY 2019 and 2022.



## Top 5 Districts

- Rangareddy
- Medchal\_Malkajgiri
- Hyderabad
- Sangareddy
- Hanumankonda

# Stamp Registration

- Top 5 districts where e-stamps revenue contributes significantly more to the revenue than the documents in FY 2022?

Top Revenue Districts			
district	Sum of estamps_revenue	Sum of Doc_revenue	Sum of Differ_(D&E)_R
Rangareddy	38349357618	37697750946	651606672
Hyderabad	14374315032	14266012441	108302591
Khammam	2002220314	1971647539	30572775
Hanumakonda	2846856844	2817238587	29618257
Yadadri Bhuvanagiri	2185270667	2167480603	17790064
Mahabubnagar	1081759351	1066013551	15745800
Mancherial	661727175	648893681	12833494
Jangoan	485770112	473726459	12043653
Siddipet	1016130830	1007632858	8497972
<b>Total</b>	<b>107149881605</b>	<b>106695404941</b>	<b>454476664</b>

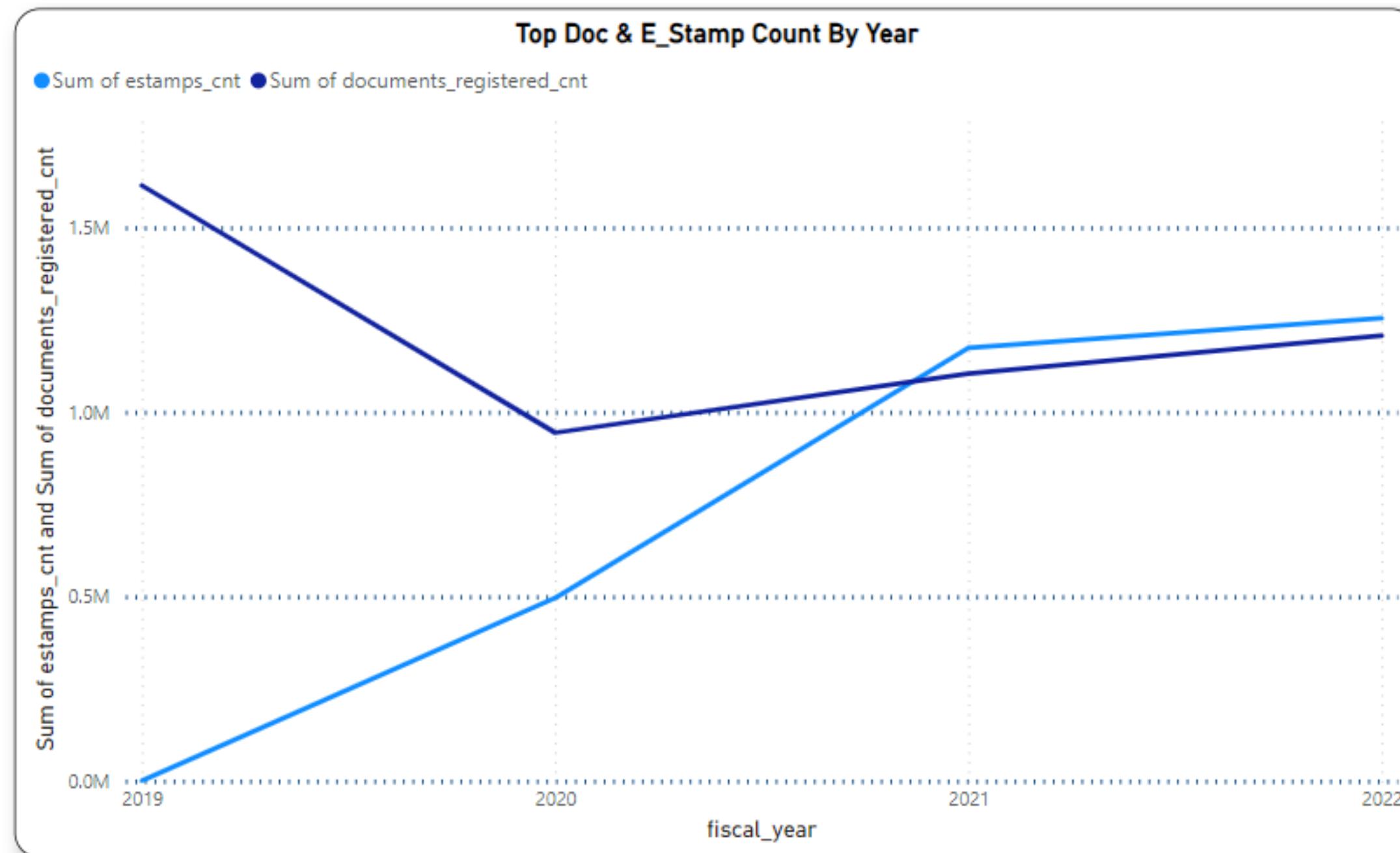
## Top 5 Districts

- Rangareddy
- Hyderabad
- Khammam
- Hanumankonda
- Yadadri Bhuvanagiri

Differ\_(D&E)\_C = fact\_stamps[documents\_registered\_cnt]-fact\_stamps[estamps\_cnt]

# Stamp Registration

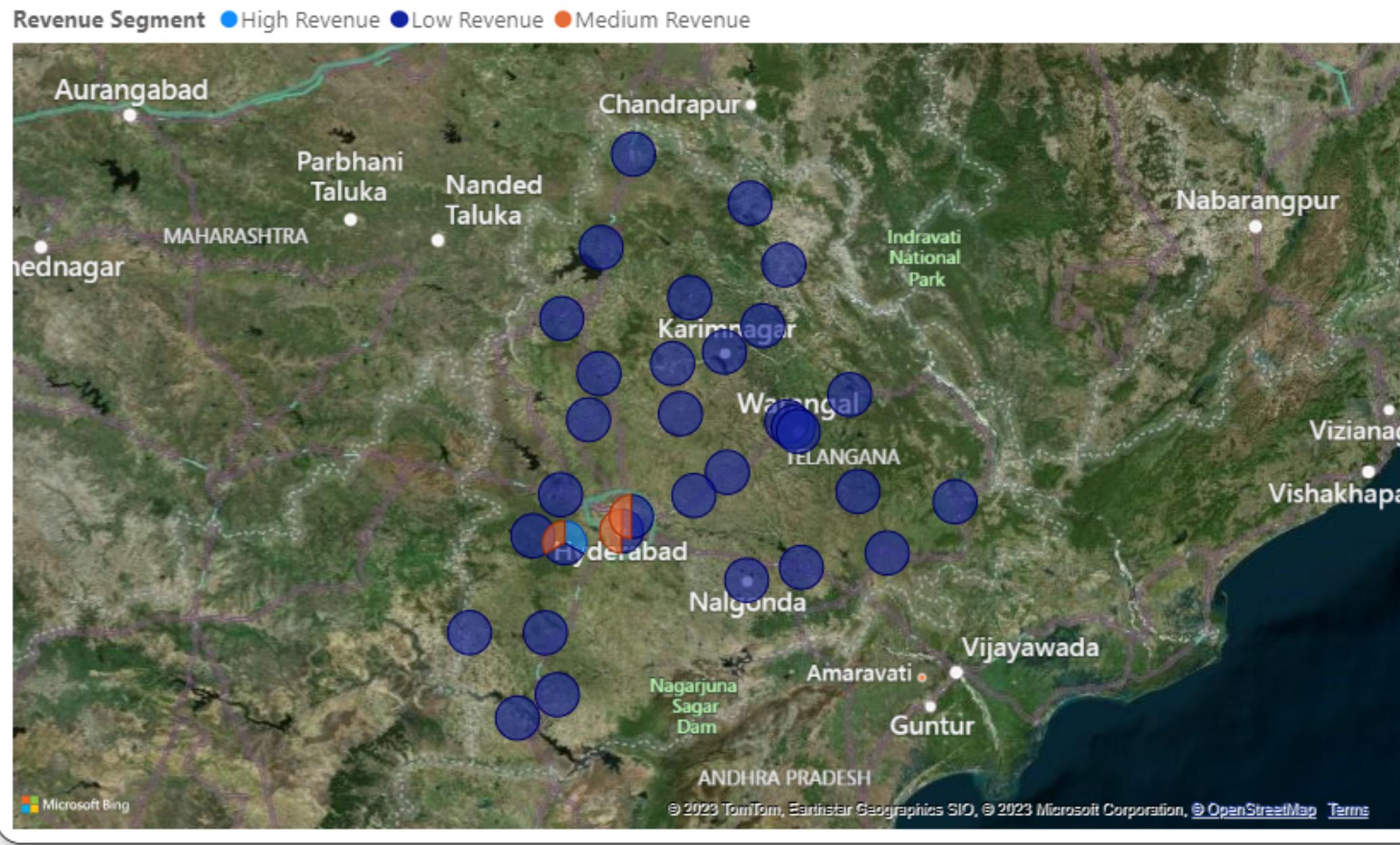
- Any alteration of e-Stamp challan count and document registration count pattern since the implementation of e-Stamp challan?



- Before start Estamp Document register count is high
- when Estamp increase document resgister going low
- After 2021 E stamp count greater than Document High
  - So, we can say e stamp is going high when compare document
  - if we concern e stamp revenue we can get more revenue

# Stamp Registration

- Categorize districts into three segments based on their stamp registration revenue generation during the fiscal year 2021 to 2022.



I have categorized in to 3 types like  
small ,medium high

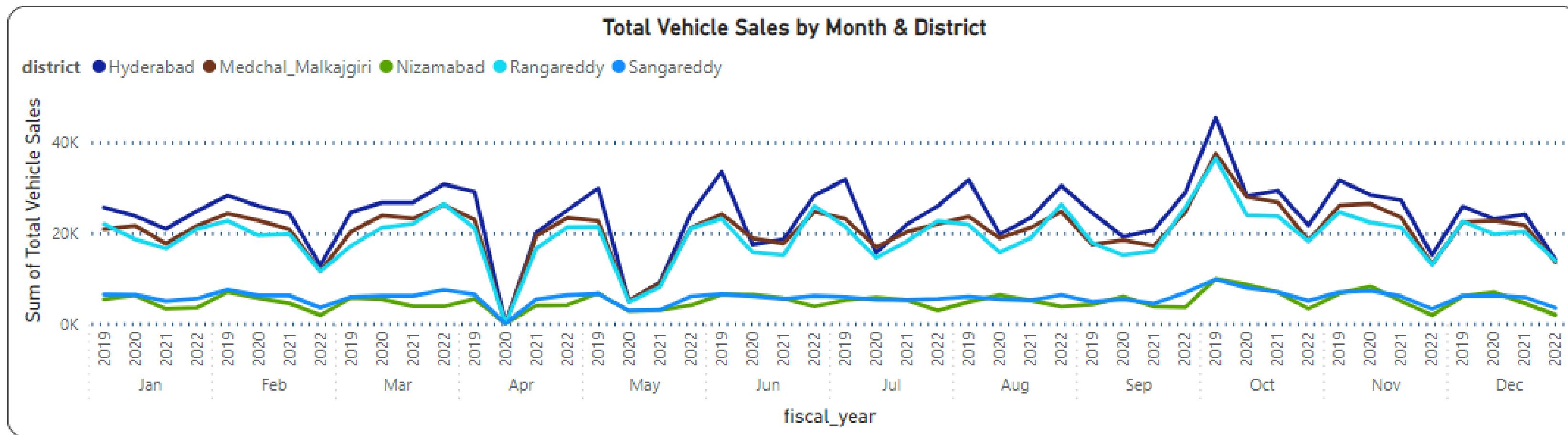
- Small is less than 100000
- medium is less than 500000
- High is greater than 500000

High revenue districts are

- Rangareddy
- Medchal\_Malkajgiri
- Hyderabad
- maximum number of revenues are less than 100000

# Transportation

- There is any correlation between vehicle sales and specific months or seasons in different districts?

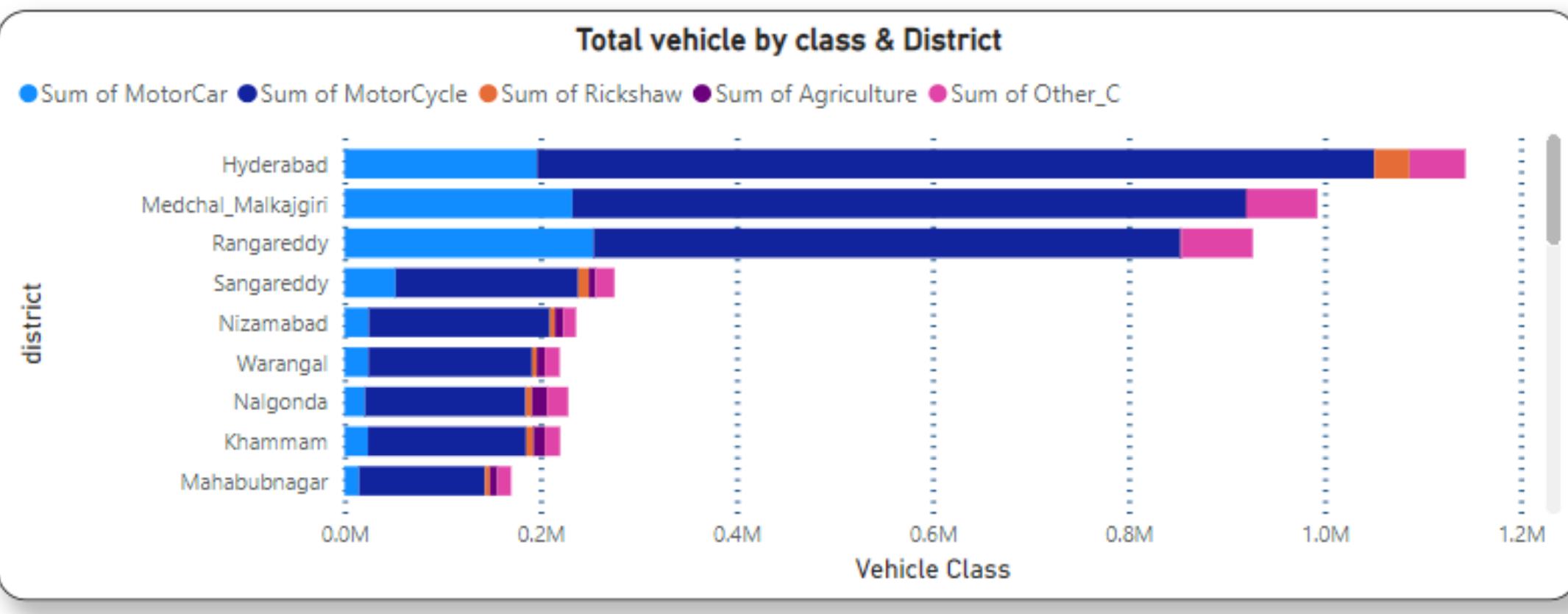


**for this were used Top 5 Districts that achieve high vehicle sales**

- Hyderabad
  - Medchal\_Malkajgiri
  - Nizamabad
  - Rangareddy
  - Sangareddy
- In 2020 April all 5 districts Vehicle sales counts are very low
  - In 2019 October all 5 districts Vehicle sales counts are very High
  - mainly if consider October can get high sales benefits, other months are some high and low.

# Transportation

- How does the distribution of vehicles vary by vehicle class (MotorCycle, MotorCar, AutoRickshaw, Agriculture) across different districts?



- mainly in all over the years motorcycle sale is very High.
- if consider and distribute new type motor cycle and try to imporve new technology into motorcycle can get more more revenue
- 2nd motor car is high so,Telengana if mainly consider motor type of vehicle can get more benifits from this

# Transportation

- Top 3 and bottom 3 districts that have shown the highest and lowest vehicle sales growth during FY 2022 compared to FY 2021?

## Petrol Vehicle Sales Growth



### Top 3 high growth sales

- Rangareddy
- Hyderabad
- Medchal\_Malkajgiri

### Top 3 Low growth sales

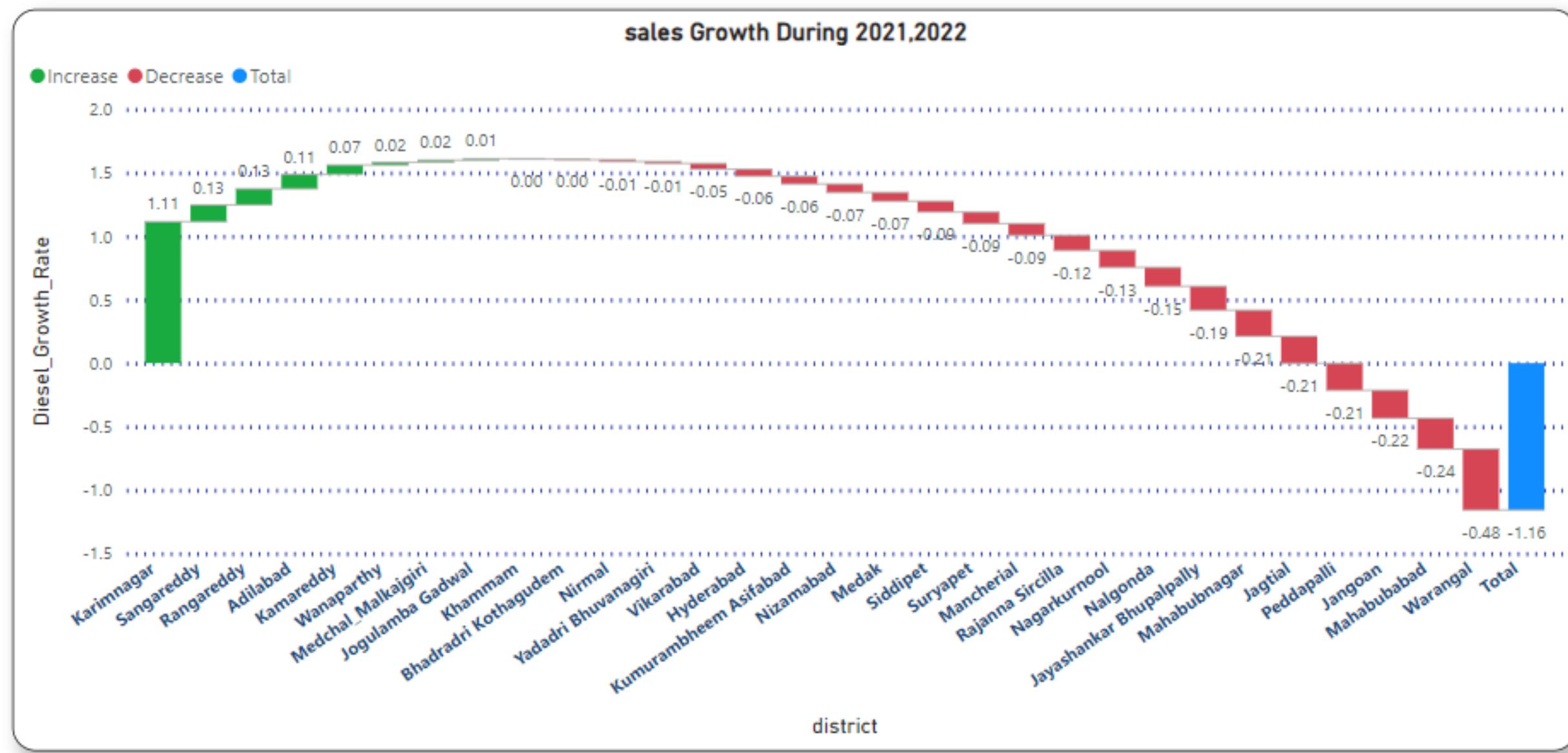
- Warangal
- Nirmal
- Jagtial

- However Petrol Sales Growth is very very low

# Transportation

- . Top 3 and bottom 3 districts that have shown the highest and lowest vehicle sales growth during FY 2022 compared to FY 2021?

## Diesel Vehicle Sales Growth



## Top 3 high growth sales

- Karimnagar
- Sangareddy
- Rangareddy

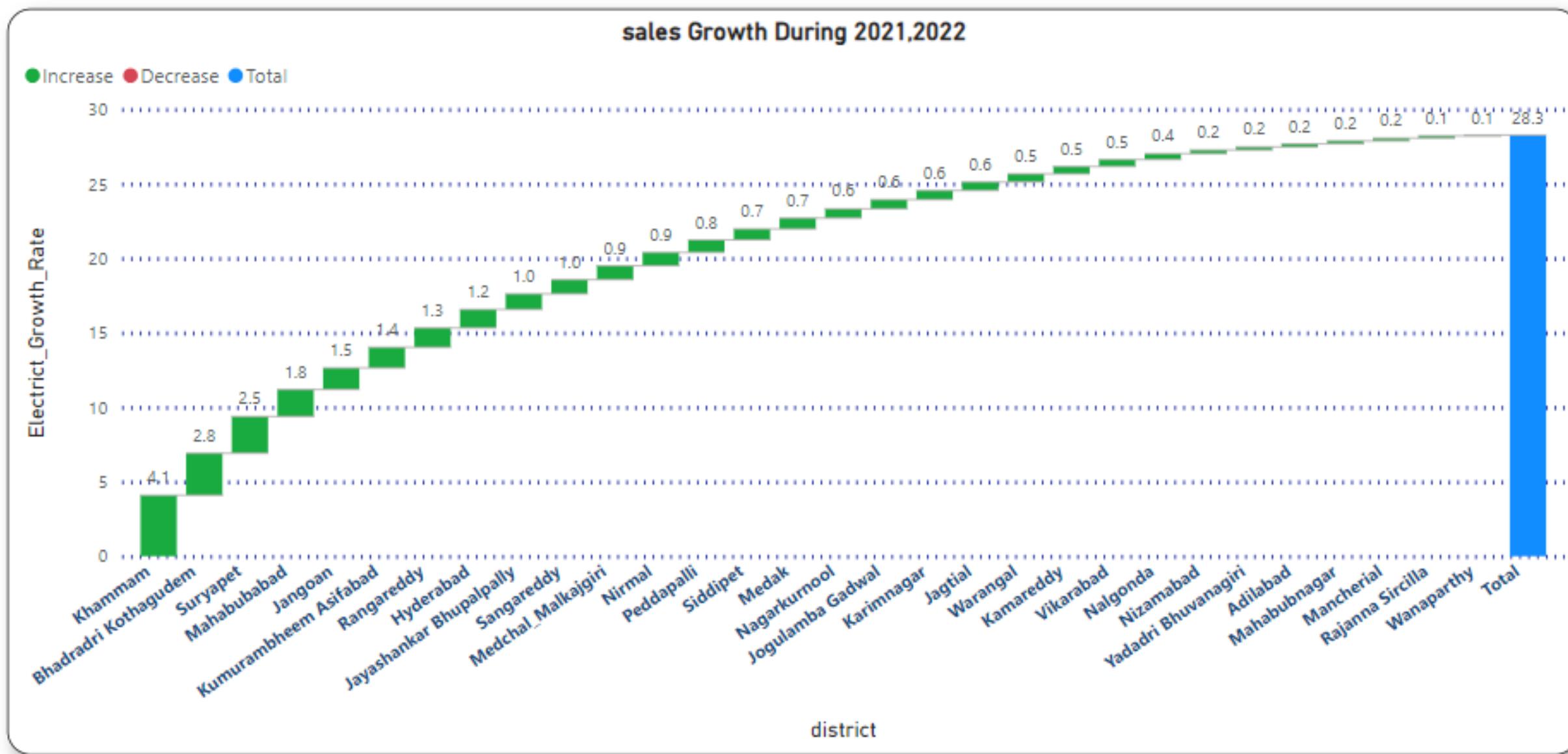
## Top 3 Low growth sales

- Warangal
- Mahabubabad
- Jangoan
- generally when compare petrol growth diesel growth is relatively high

# Transportation

- List down the top 3 and bottom 3 districts that have shown the highest and lowest vehicle sales growth during FY 2022 compared to FY 2021?

## Electric Vehicle Sales Growth



### Top 3 high growth sales

- Khammam
- Bhadradri Kothagudem
- Suryapet

### Top 3 Low growth sales

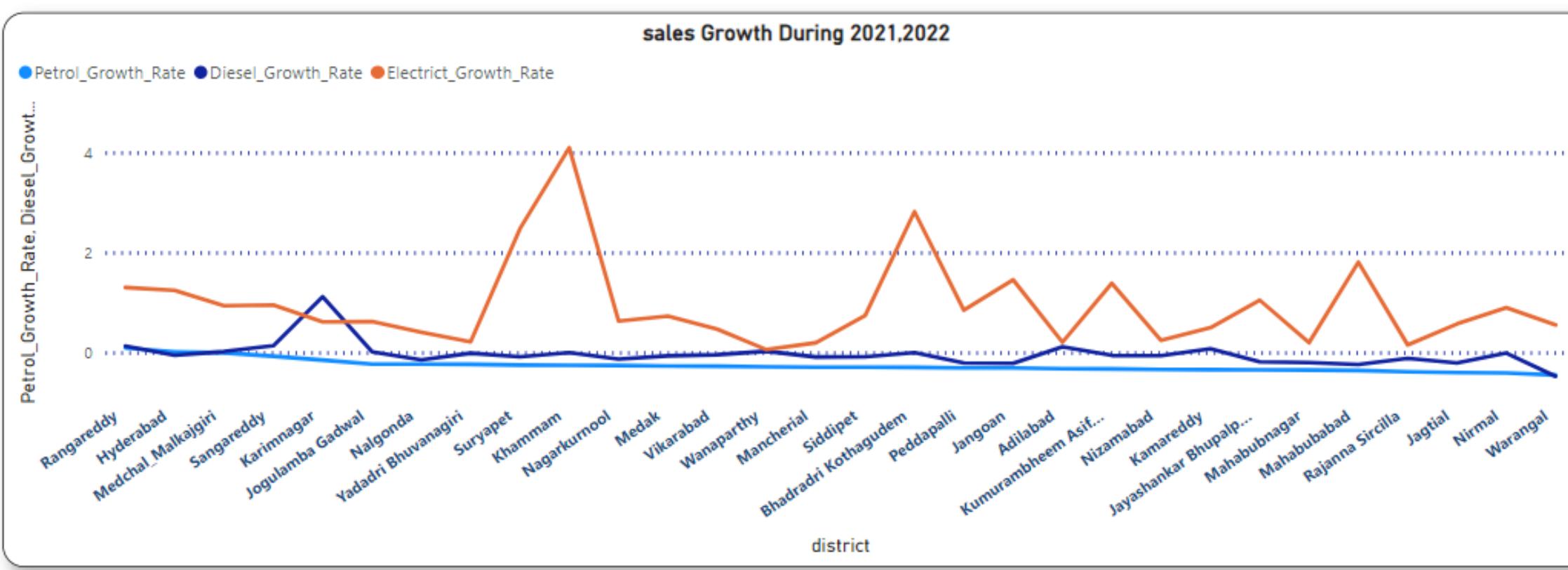
- Wanaparthy
- Rajanna Sircilla
- Mancherial

- Electric growth is very high and showing positive GR in all the districts if telangana mainly distributes electric vehicle can get best benefit from all districts

# Transportation

- Top 3 and bottom 3 districts that have shown the highest and lowest vehicle sales growth during FY 2022 compared to FY 2021?

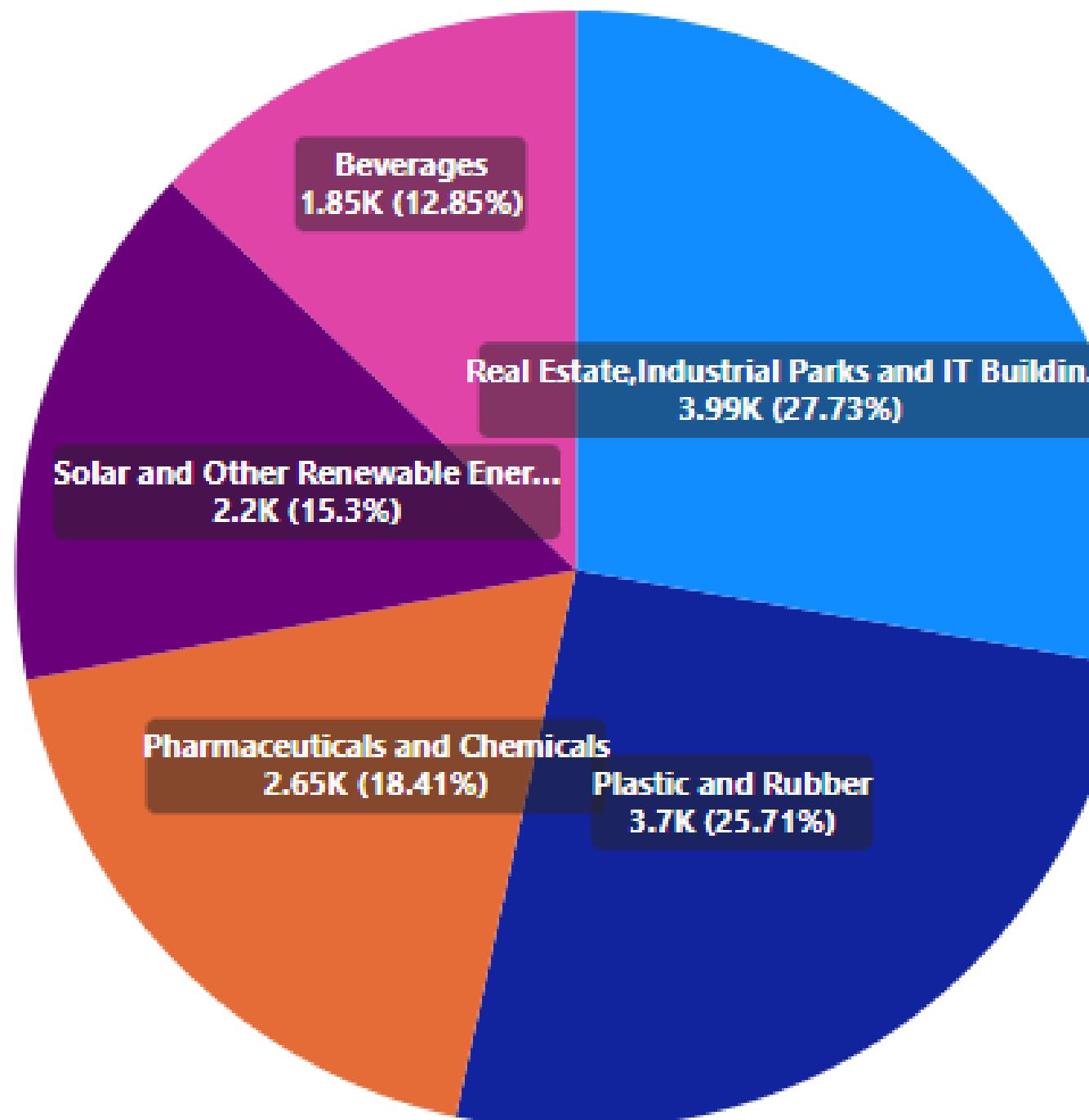
## Sales Growth Comparison



- In all over the districts Electric vehicle growth is high
- But in Diesel Vehicle growth is High in karimanagar
- In my way we can mainly distribute Diesel in Karimanagar and can distribute electric vehicle in other districts

# Ts-Ipass

- Top 5 sectors that have witnessed the most significant investments in FY 2022.



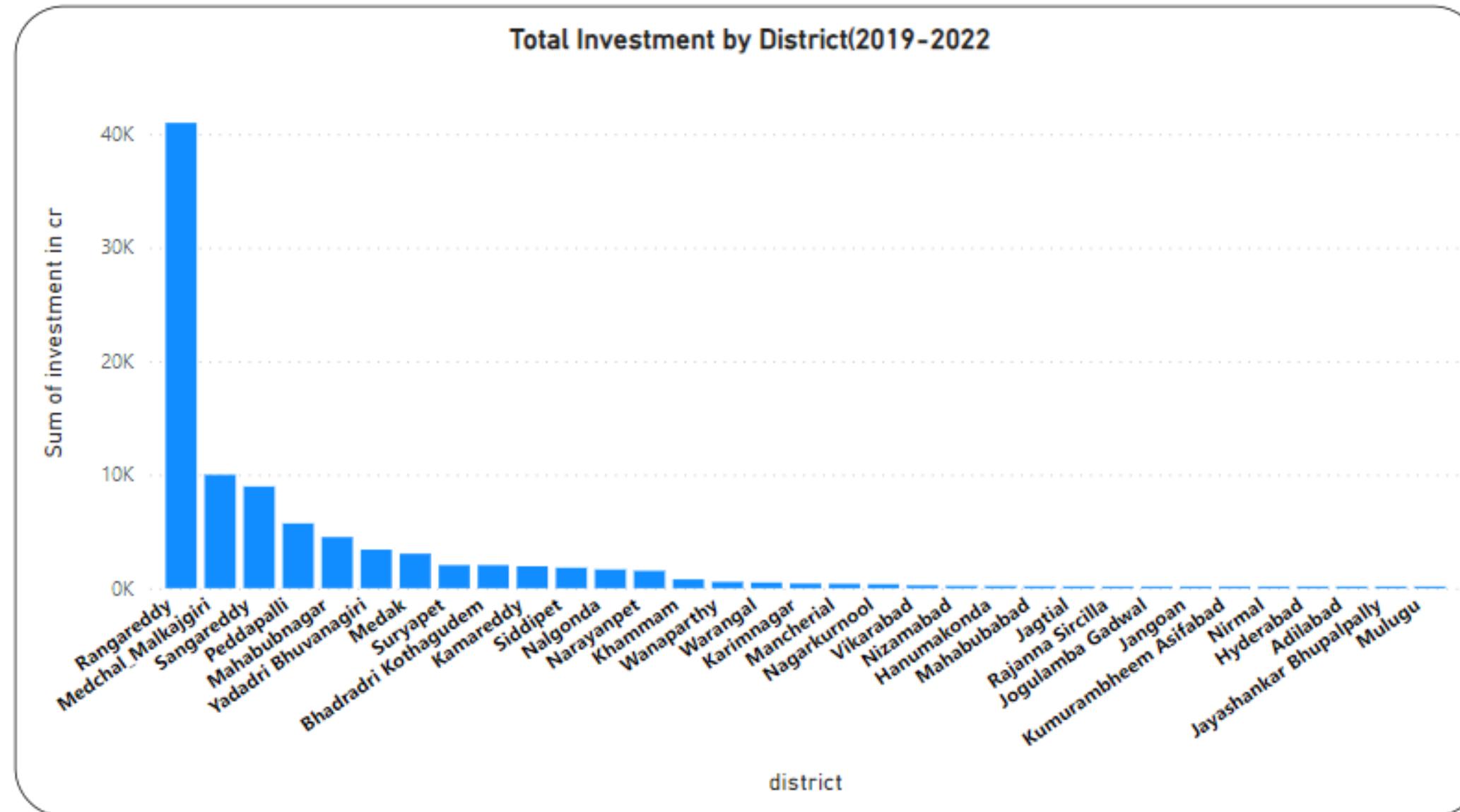
## sector

- Real Estate, Industrial Parks and IT Buildings
- Plastic and Rubber
- Pharmaceuticals and Chemicals
- Solar and Other Renewable Energy
- Beverages

# TS-IPASS

- List down the top 3 districts that have attracted the most significant sector investments during FY 2019 to 2022? What factors could have led to the substantial investments in these particular districts?

## Top 3 Investment Districts



## Top 3 Districts

- Rangareddy
- Medchal Malkajgri
- Sangareddy

# TS-IPASS

- List down the top 3 districts that have attracted the most significant sector investments during FY 2019 to 2022? What factors could have led to the substantial investments in these particular districts?

## Top 5 Investment Sector in Rangareddy

Total Investment by sector (CR)	
sector	Sum of investment in cr
Real Estate, Industrial Parks and IT Buildings	3,979.80
Plastic and Rubber	3,263.29
Granite and Stone Crushing	584.89
R&D	418.77
Automobile	270.89
<b>Total</b>	<b>9,354.41</b>

# TS-IPASS

- List down the top 3 districts that have attracted the most significant sector investments during FY 2019 to 2022? What factors could have led to the substantial investments in these particular districts?

## Top 5 Investment Sector in Medchal Malkajgiri

Total Investment by sector (CR)	
sector	Sum of investment in cr
R&D	1,094.01
Pharmaceuticals and Chemicals	358.96
Agro based incl Cold Storages	348.85
Engineering	258.15
Granite and Stone Crushing	219.72
<b>Total</b>	<b>2,818.70</b>

# TS-IPASS

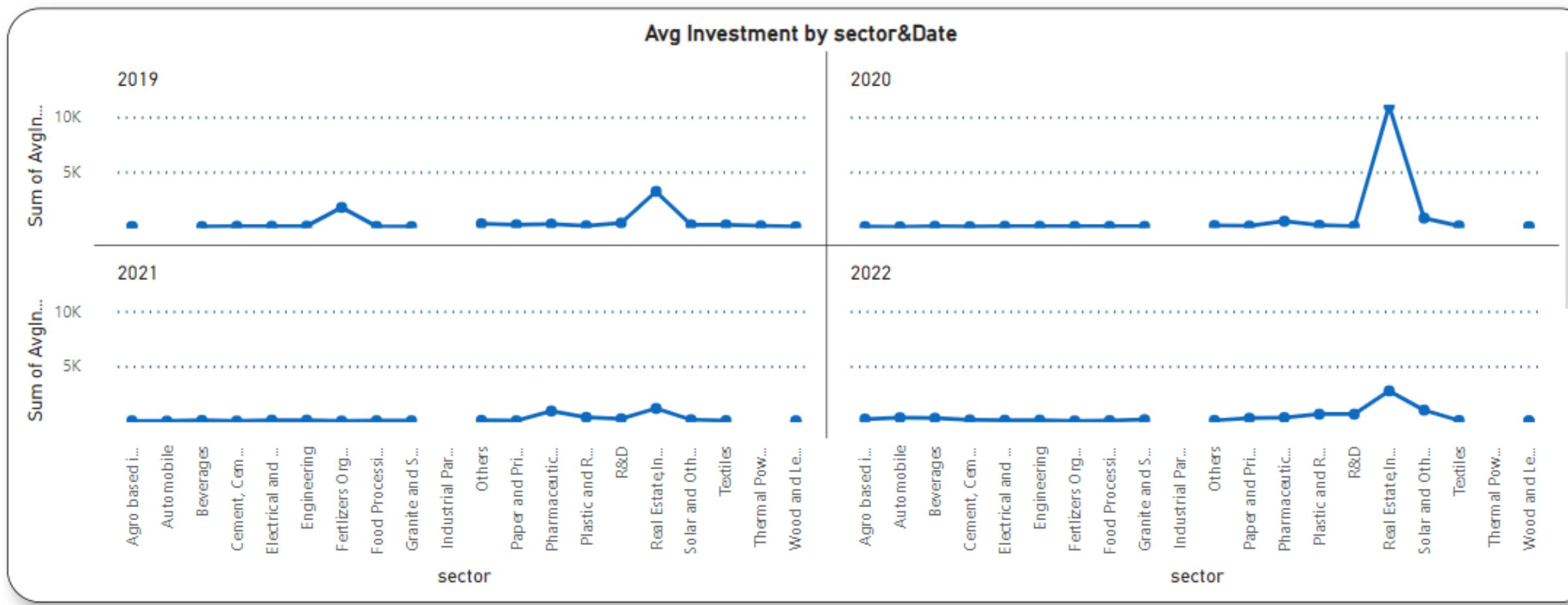
- List down the top 3 districts that have attracted the most significant sector investments during FY 2019 to 2022? What factors could have led to the substantial investments in these particular districts?

## Top 5 Investment Sector in Sangareddy

Total Investment by sector (CR)	
sector	Sum of investment in cr
Pharmaceuticals and Chemicals	620.54
Plastic and Rubber	208.55
Food Processing	178.59
Solar and Other Renewable Energy	169.28
R&D	134.03
<b>Total</b>	<b>1,798.06</b>

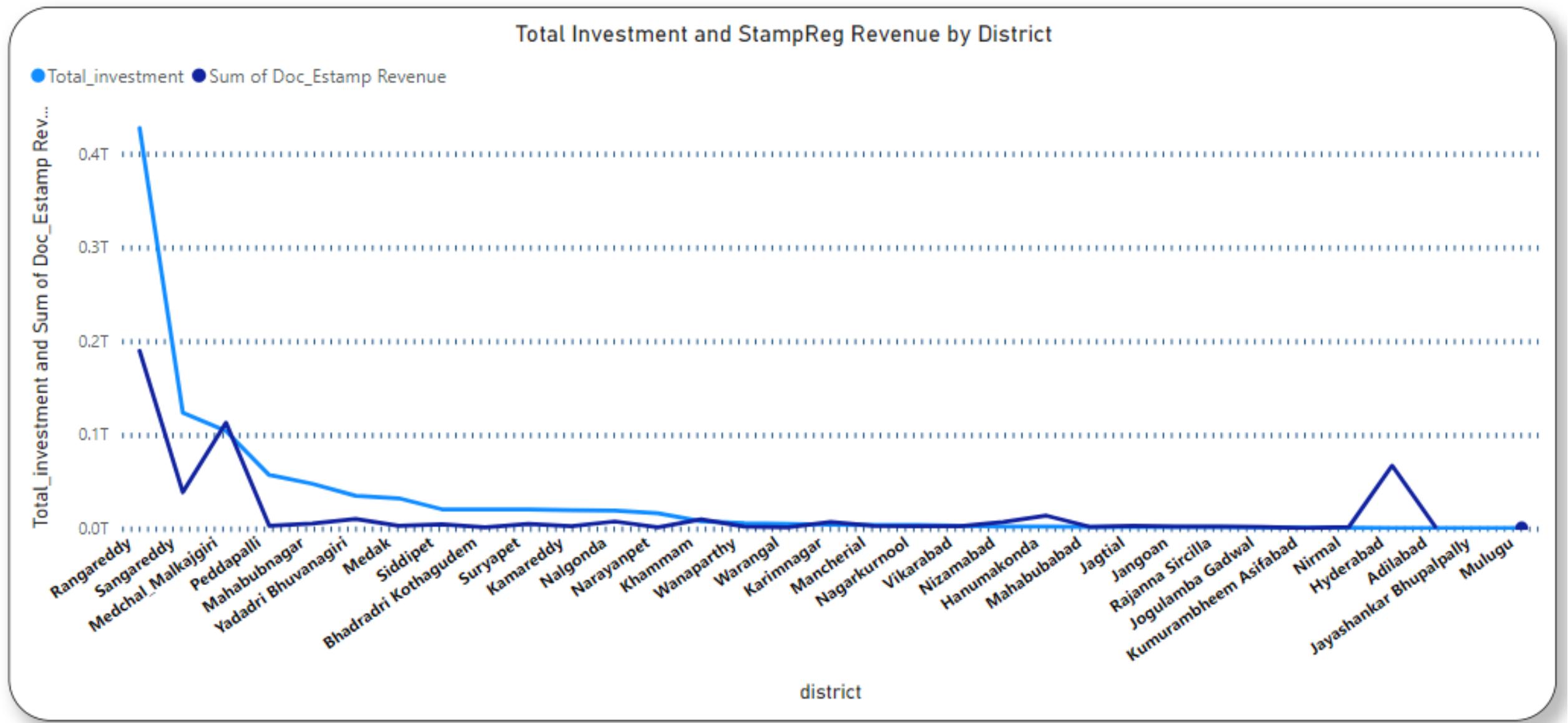
# TS-IPASS

- Can we identify any seasonal patterns or cyclicality in the investment trends for specific sectors? Do certain sectors experience higher investments during particular months?



- In 2019, 2020, 2021, 2022 Real Estate, Industrial Parks and IT sector investment is very High
- In my opinion if we motive this sector highly can Achieve best output in telangana state through this investment

- What is the relationship between Total investment and Stamp Revenue by Districts wise



- IT\_pass invest is very when compare Stamp revenue.
- But in some ditricts gain more revenu from stamp that are mentionrd below
  1. Medchal Malkajgri
  2. Hanumakonda
  3. Hyderabad

## **Top 5 districts to buy commercial properties in Telangana? Justify your answer.**

- **Hyderabad:** Hyderabad is the capital and largest city of Telangana. It is a major IT hub and home to many multinational companies. Hyderabad is also a major financial and commercial center.
- **Rangareddy:** Rangareddy district is located on the outskirts of Hyderabad. It is home to many IT parks and industrial estates. Rangareddy is also a major educational hub.
- **Medchal-Malkajgiri:** Medchal-Malkajgiri district is another district located on the outskirts of Hyderabad. It is home to many IT parks and industrial estates. Medchal-Malkajgiri is also a major residential hub.
- **Sangareddy:** Sangareddy district is located to the north of Hyderabad. It is home to many industrial estates and agricultural land. Sangareddy is also a major tourist destination.
- **Warangal:** Warangal is the second largest city in Telangana. It is a major educational and commercial hub. Warangal is also home to many industrial estates.

### **Justification:**

The above districts were selected based on the following factors:

- Economic growth: These districts are experiencing high economic growth.
- Infrastructure: These districts have good infrastructure, such as roads, railways, and airports.
- Connectivity: These districts are well-connected to other parts of Telangana and India.
- Demand: There is a high demand for commercial properties in these districts.

## **What significant policies or initiatives were put into effect to enhance economic growth, investments, and employment in Telangana by the current government? Can we quantify the impact of these policies using available data?**

The current government of Telangana has implemented a number of policies and initiatives to enhance economic growth, investments, and employment in the state. Some of the key policies and initiatives include:

- Ts-Ipass: Ts-Ipass is a single-window clearance system for industrial projects. It has made it easier and faster to start and operate a business in Telangana.
- Industrial parks: The government has developed a number of industrial parks to attract investments in the manufacturing sector.
- IT parks: The government has developed a number of IT parks to attract investments in the IT sector.
- Skill development programs: The government has launched a number of skill development programs to train the youth of Telangana for the jobs of the future.

## **Quantifying the impact of policies:**

- For example, the Ts-Ipass system has reduced the time it takes to start a business in Telangana from 60 days to 21 days. This has made it easier for entrepreneurs to start and operate businesses in the state.
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- As a result of the government's focus on industrial and IT parks, Telangana has attracted significant investments in these sectors. For example, in 2021-22, Telangana attracted over ₹50,000 crores in investments in the IT sector.
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- The government's skill development programs have also helped to train the youth of Telangana for the jobs of the future. For example, in 2021-22, the government trained over 1 million people through its various skill development programs.

## **Insights & recommendations for sustained growth in the next 5 years:**

### **Insights:**

- Telangana is a rapidly growing state with a strong economy.
- The government of Telangana has implemented a number of policies and initiatives to enhance economic growth, investments, and employment.
- The IT and manufacturing sectors are the key drivers of economic growth in Telangana.
- Telangana has a young and skilled workforce.
- Telangana has a good infrastructure.

### **Recommendations:**

- The government of Telangana should continue to focus on developing and promoting the IT and manufacturing sectors.
- The government should invest in further improving the state's infrastructure, especially in terms of roads, railways, and airports.
- The government should continue to implement skill development programs to train the youth of Telangana for the jobs of the future.
- The government should focus on attracting investments in new and emerging sectors, such as renewable energy and electric vehicles.
- The government should promote entrepreneurship and innovation in Telangana.
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By implementing these recommendations, the government of Telangana can achieve all the best outputs



# THANK YOU

**ABDUL NAZEER MOHAMED SATHIK**

UG Business Science (Hons) Finance |Data Scientist & Data Analyst (Power BI, Tableau, SQL, Excel) |Financial Analyst



nmsathik15@gmail.com