TELENGANA GROWTH ANALYSIS

TELENGANA MAP

Objective:

- Explore **Stamp Registration**, **Transportation** and **Ts-Ipass Datasets**. Understand their attributes, categories and time period.

- Analyze trends and patterns within each department.

- Identify growth opportunities and areas needing attention.

- Find correlation among these departments and report the overall growth of the state through insights and relevant visuals such as shape maps.
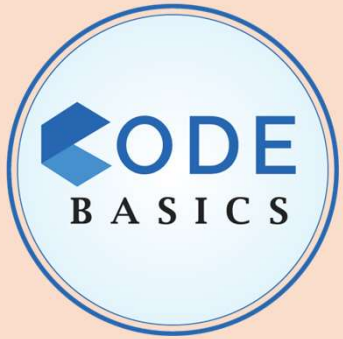
Tool used

ANALYSIS TOOL : Microsoft Power BI
Visualisation tool: Microsoft Power BI
Presentation tool: Microsoft Power Point

Q. How does the revenue generated from document registration vary across districts in Telangana? List down the top 5 districts that showed the highest document registration revenue growth between FY 2019

Sum of documents_registered_rev by district
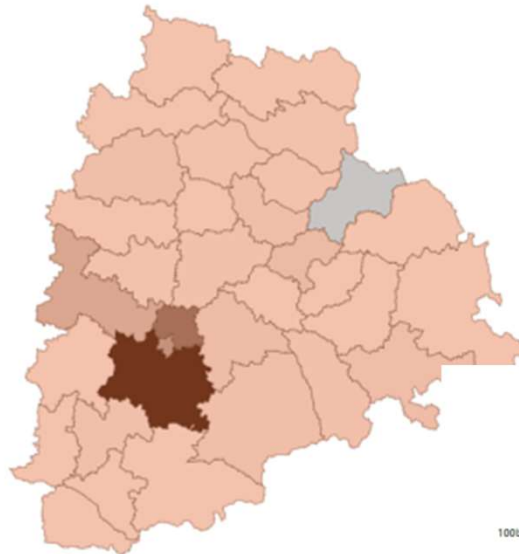
295bn
Sum of documents_registered_rev

221bn
Sum of estamps_challans_rev

TOP 5 district that show highest document registration revenue growth are :

1 .Rangareddy -> 108 bn
2. Medchal Malkajgiri -> 64bn
3. Hyderabad ->38 bn
4.Sangareddy ->22 bn
5.Hanumakonda ->8bn
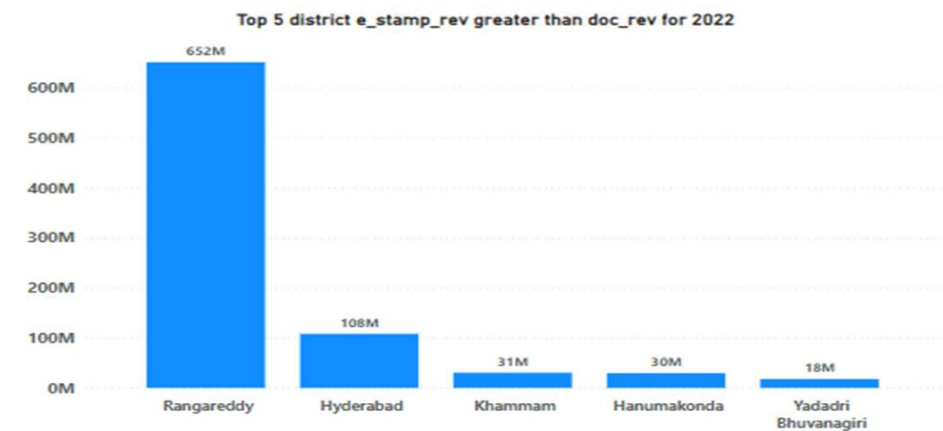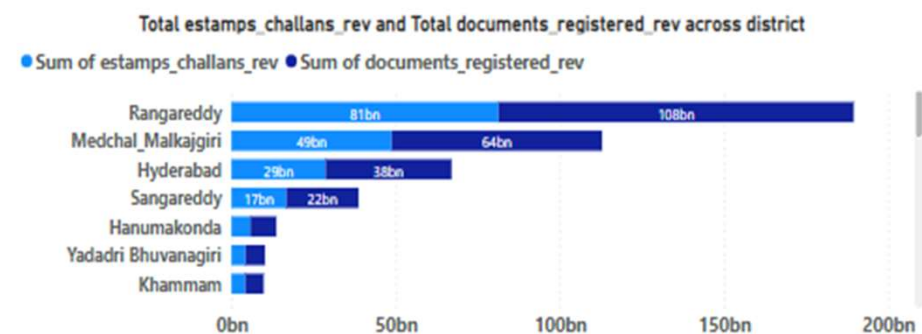
Top 5 district with revenue_growth
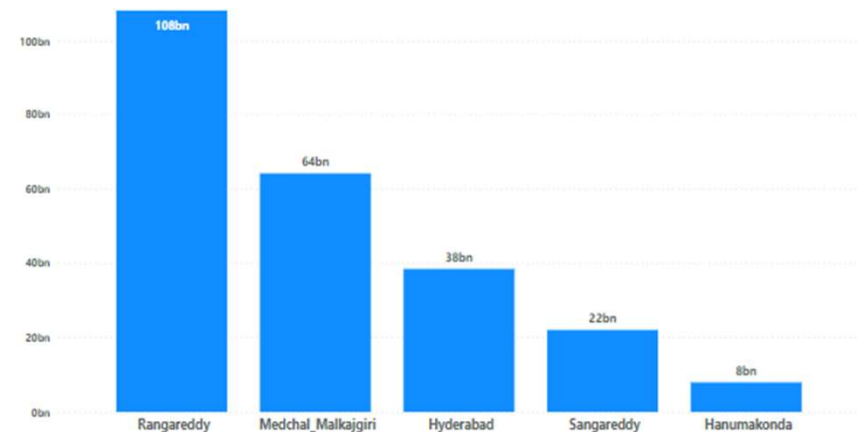
Q. How does the revenue generated from document registration compare to the revenue generated from e-stamp challans across districts? List down the top 5 districts where e-stamps revenue contributes significantly more to the revenue than the documents in FY 2022?

Top 5 district where e_stamp revenue contributes significantly more to the revenue than the documents registration in FY 2022 are Rangareddy followed by Hyderabad , Khamman,Hanumakonda and yadadri Bhuvangiri.

Total estamps_challans_rev and Total documents_registered_rev across district

● Sum of estamps_challans_rev ● Sum of documents_registered_rev

District	estamps_challans_rev	documents_registered_rev
Rangareddy	81bn	108bn
Medchal_Malkajgiri	49bn	64bn
Hyderabad	29bn	38bn
Sangareddy	17bn	22bn
Hanumakonda		
Yadadri Bhuvanagiri		
Khammam		

0bn   50bn   100bn   150bn   200bn

Top 5 district e_stamp_rev greater than doc_rev for 2022

| District	Value
Rangareddy	652M
Hyderabad	108M
Khammam	31M
Hanumakonda	30M
Yadadri Bhuvanagiri	18M

600M
500M
400M
300M
200M
100M
0M

Q. Is there any alteration of e-Stamp challan count and document registration count pattern since the implementation of e-Stamp challan? If so, what suggestions would you propose to the government?

E_stamp challan count introduce in the year of 2020, there Is negligible surge in their issuance , surpassing the count of documents registration.

Sum of estamps_challans_cnt and Sum of documents_registered_cnt by Year

● Sum of estamps_challans_cnt ● Sum of documents_registered_cnt

1.25M 1.30M

0.90M 1.19M 1.24M 0.33M

0.31M

2020 2021 2022 2023
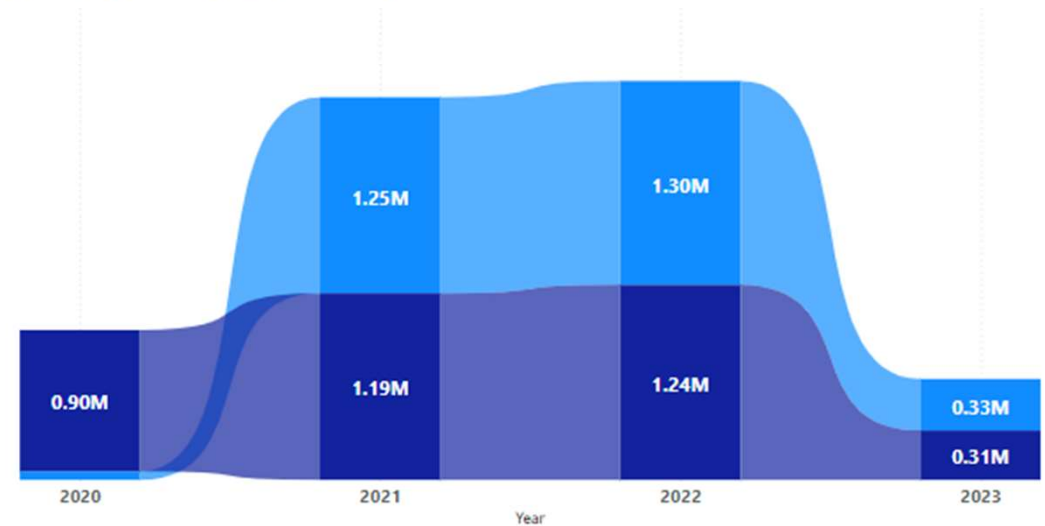
Year

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

High Revenue District

- Rangareddy
- Medchal Malkajgiri
- Hyderabad
- Sangareddy

Medium Revenue District

- Hanumakonda
- Karimnagar
- Khammam
- Nalgonda
- Nizamabad
- Yadadri Bhuvanagiri

Low Revenue District

- Jogulamba Gadwal
- Kamareddy
- Kumurambheem
- Asifabad
- Mahabubabad
- Mahabubnagar
- Mancherial
- Medak
- Mulugu
- Nagarkurnool
- Narayanpet
- Nirmal
- Peddapalli
- Rajanna Sircilla
- Siddipet
- Suryapet
- Vikarabad
- Wanaparthy
- Warangal

Revenue Category by district
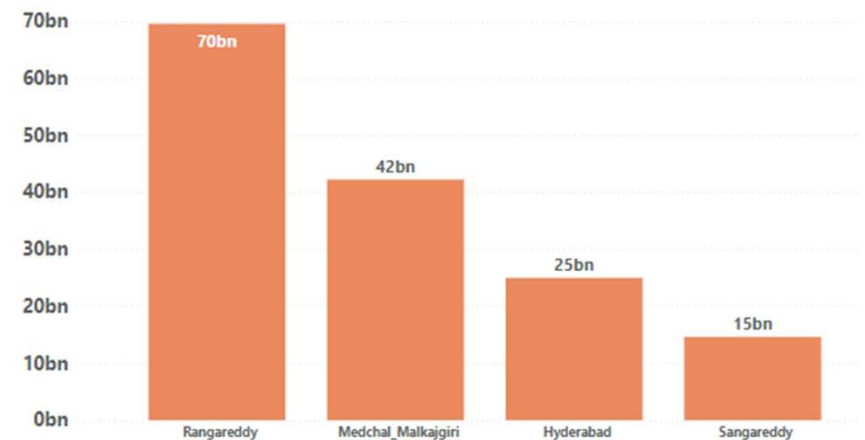
## Q. Investigate whether there is any correlation between vehicle sales and specific months or seasons in different districts. Are there any months or seasons that consistently show higher or lower sales rate, and if yes, what could be the driving factors? (Consider Fuel-Type category only)

➢ Fuel type vehicle sales decreases rapidly in the month of April and may.

➢ IN the month, of October , March & August Vehicles sales are typically high.

➢ Hyderabad , Medchal Malkajgiri & Rangareddy these are the top 3 district where vechiles sold are high.

Sum of fuel_type by Month and district
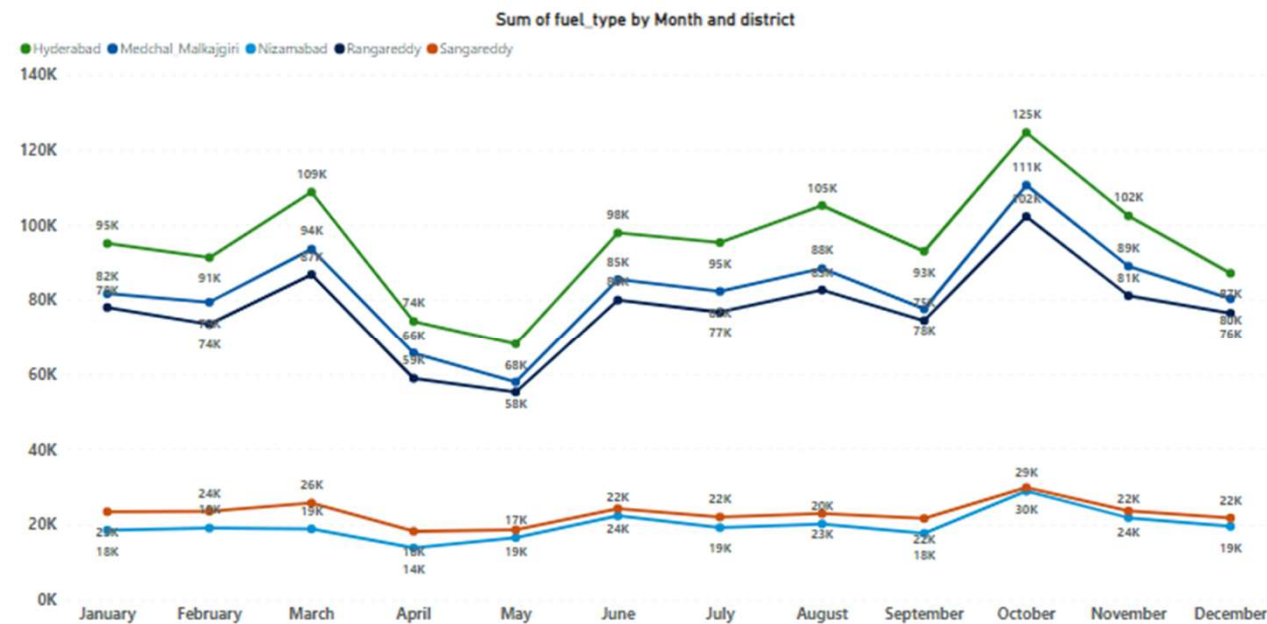
Q. How does the distribution of vehicles vary by vehicle class (MotorCycle, MotorCar, AutoRickshaw, Agriculture) across different districts? Are there any districts with a predominant preference for a specific vehicle class? Consider FY 2022 for analysis.

➢ Compared to all district Rangareddy , Medchal_Malkajgiri and Hyderabad are highest selling vehicles In motorcycles & motorcars.

➢ Nalgonda, suryapet,siddipet are leading in agriculture vehicles sales.

Total Vechile by class & district

● Sum of vehicleClass MotorCar ● Sum of vehicleClass MotorCycle ● Sum of vehicleClass AutoRickshaw ● Sum of vehicleClass Agriculture ● Sum of vehicleClass others

District		
Rangareddy	0.25M	0.60M	0.07M
Medchal_Malkajgiri	0.23M	0.69M	0.07M
Hyderabad	0.20M	0.85M	0.06M
Sangareddy	0.05M 0.19M		
Nizamabad	0.18M		
Warangal	0.17M		
Khammam	0.16M		
Nalgonda	0.16M		
Karimnagar	0.11M		
Vikarabad	0.13M		
Bhadradri Kothagudem	0.11M		
Mahabubnagar	0.13M		
Siddipet	0.11M		
Yadadri Bhuvanagiri	0.08M		
Suryapet	0.12M		
Mancherial	0.07M		
Peddapalli	0.07M		
Jagtial	0.10M		
Kamareddy	0.10M		
Medak	0.07M		
Nagarkurnool	0.08M		

0.0M   0.2M   0.4M   0.6M   0.8M   1.0M   1.2M
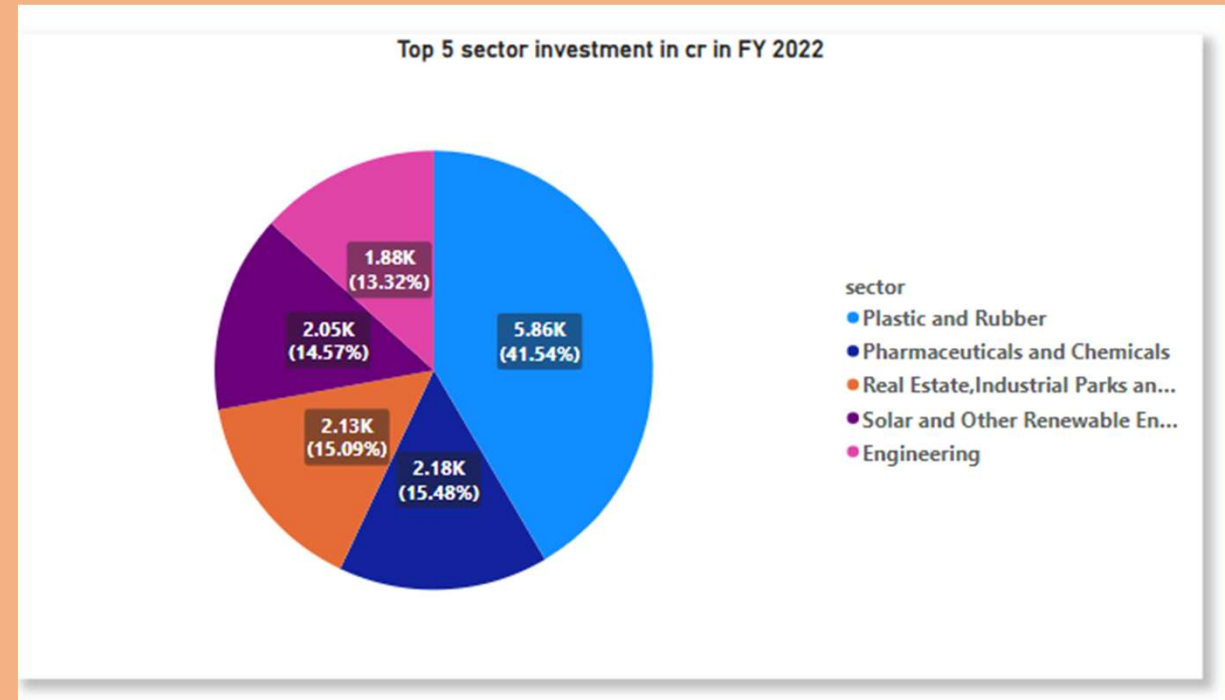
vechile class

- List down the top 5 sectors that have witnessed the most significant investments in FY 2022.

Top 5 sector that have witnesses the most significant investment in FY 2022 are:

➤ Plastic and rubber(5.86 crore)
➤ Pharmaceutical and chemicals(2.18 crore)
➤ Real Estate, industrial parks,& IT buildings sector(2.13 crore)
➤ Solar & Other Renewable energy sector(2.05 crore)
➤ Engineering Sector(1.88 crore)

Top 5 sector investment in cr in FY 2022

1.88K (13.32%)
2.05K (14.57%)
2.13K (15.09%)
5.86K (41.54%)
2.18K (15.48%)

sector
- Plastic and Rubber
- Pharmaceuticals and Chemicals
- Real Estate,Industrial Parks an...
- Solar and Other Renewable En...
- Engineering

Q. 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?

Rangareddy,Sangareddy and Medchal_Malkajgiri are the top three district where maximun investment done .

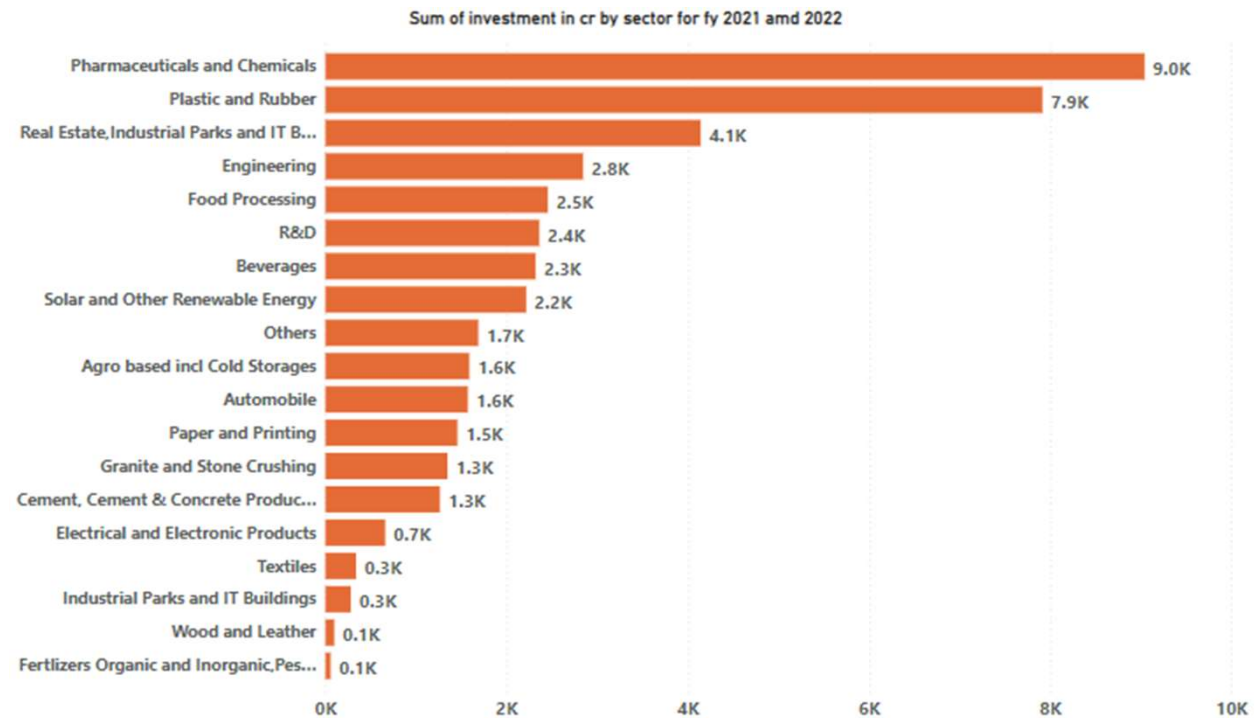

Sum of investment in cr by district
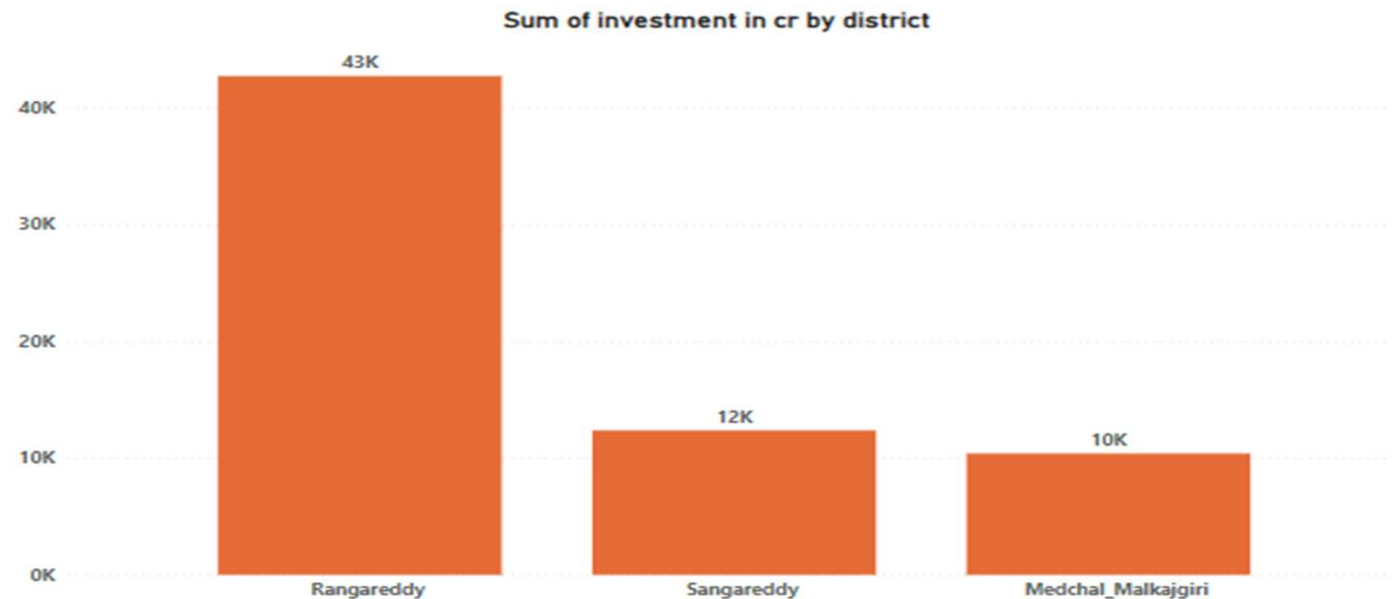
Q . Is there any relationship between district investments, vehicles sales and stamps revenue within the same district between FY 2021 and 2022?

Investment is more compare to revenue,
But for some district like Hyderabad,
Hanumakonda and Medchal Malkajgri
revenue is more or comparable to
investment.
Also vechiles sales is more for Hyderabad and
Medchal Malkajgri where is no vechiles sales
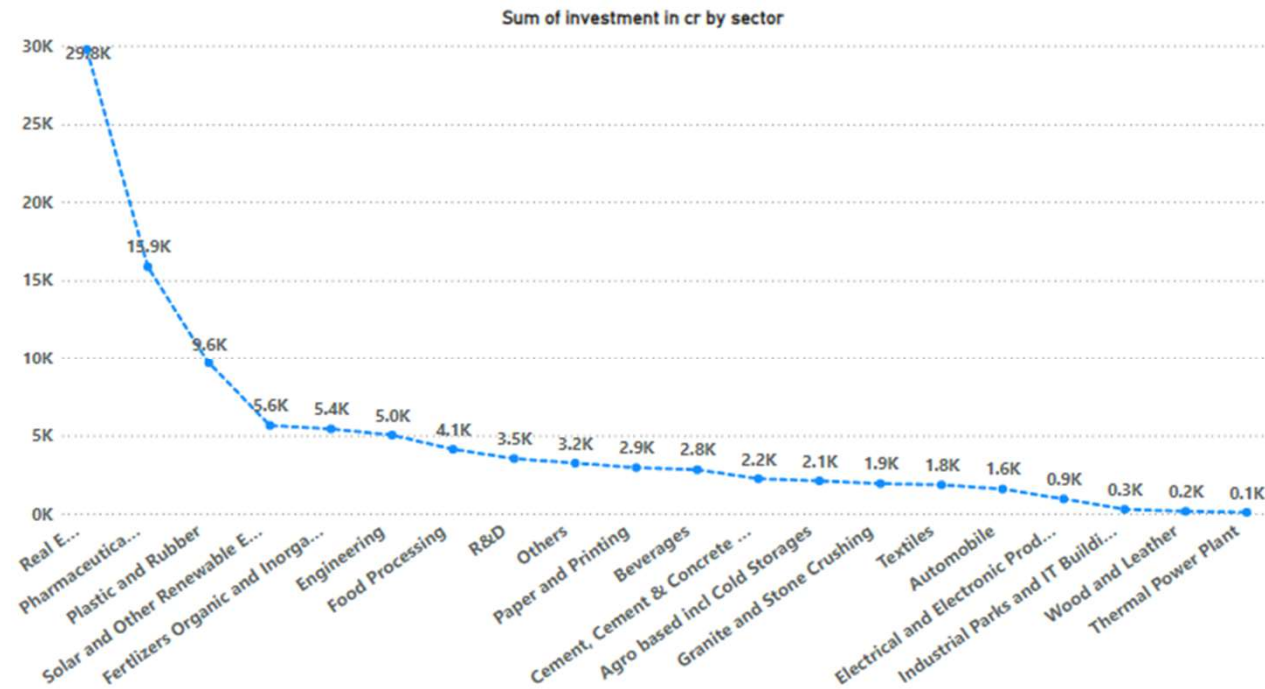is for Hanumakonda.

Sum of investment_in_cr, Sum of estamps_challans_rev and Sum of fuel_type by district
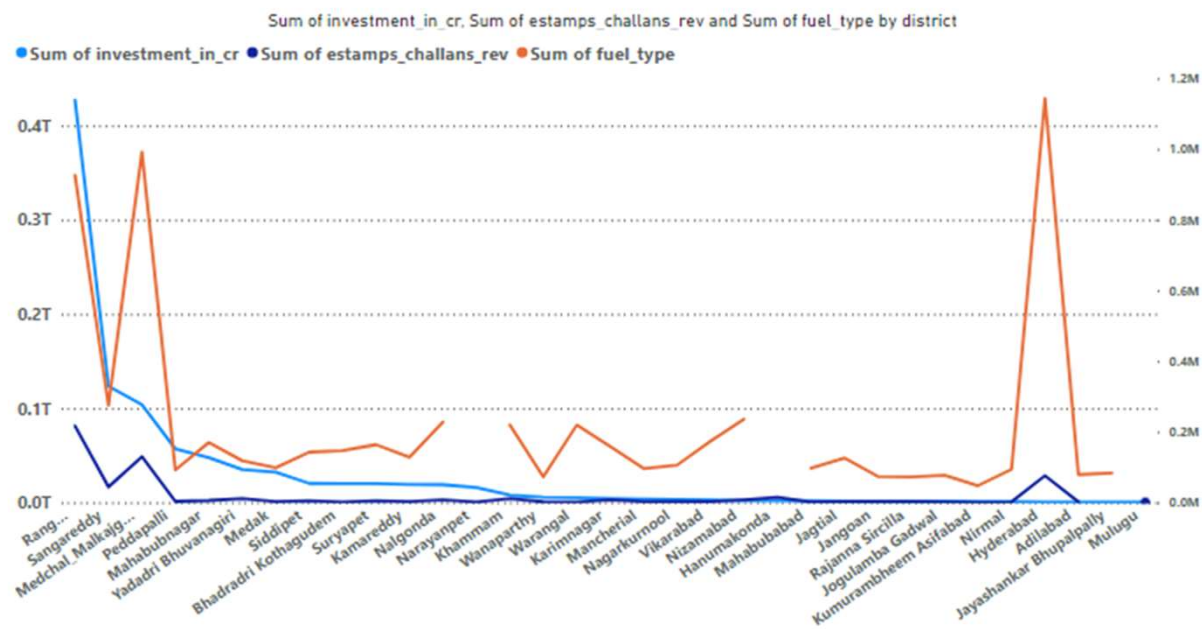
Q. Are there any particular sectors that have shown substantial investment in multiple districts between FY 2021 and 2022?

➤ Pharmaceutical and chemical sector has a highest investment of 9.0 crore in FY 2021 and 2022.

➤ Plastic and rubber is the second highest investment of 7.9 crore in FY 2021 AND 2022.

➤ Real Estate has done a investment of 4.1 crore in FY 2021 AND 2022.

Sum of investment in cr by sector for fy 2021 amd 2022

Sector	Investment
Pharmaceuticals and Chemicals	9.0K
Plastic and Rubber	7.9K
Real Estate,Industrial Parks and IT B...	4.1K
Engineering	2.8K
Food Processing	2.5K
R&D	2.4K
Beverages	2.3K
Solar and Other Renewable Energy	2.2K
Others	1.7K
Agro based incl Cold Storages	1.6K
Automobile	1.6K
Paper and Printing	1.5K
Granite and Stone Crushing	1.3K
Cement, Cement & Concrete Produc...	1.3K
Electrical and Electronic Products	0.7K
Textiles	0.3K
Industrial Parks and IT Buildings	0.3K
Wood and Leather	0.1K
Fertlizers Organic and Inorganic,Pes...	0.1K

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

➤ There is No seasonal patterns or Cyclicality
in the investment trend for specific sector.

➤ Highest investment is done by Real
Estate(30 crore) and lowest investment is
done by thermal power plant (0.1 crore)

Sum of investment in cr by sector

Thank You