

TELENGANA : ECONOMIC GROWTH

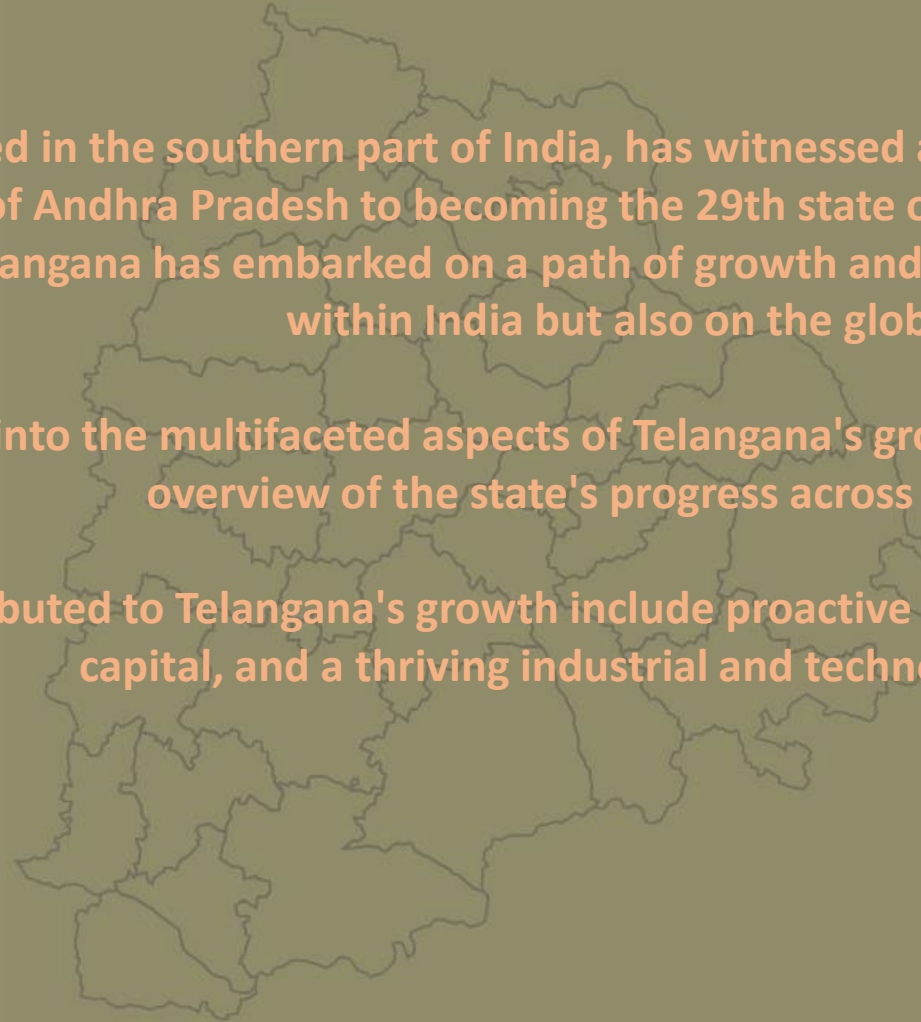


INTRODUCTION

Telangana, a state located in the southern part of India, has witnessed a remarkable transformation in recent years. Its journey from being a part of Andhra Pradesh to becoming the 29th state of India in 2014 marked the beginning of a new era in its history. Since then, Telangana has embarked on a path of growth and development that has garnered attention not only within India but also on the global stage.

This project aims to delve into the multifaceted aspects of Telangana's growth and development, offering a comprehensive overview of the state's progress across various sectors.

Key factors that have contributed to Telangana's growth include proactive governance, robust policies, investments in human capital, and a thriving industrial and technological ecosystem.



Problem Statement

Telangana is one of the fastest-growing states in India and one of the states with an open data policy. (They have published all their data online)

Peter Pandey is an aspiring data analyst looking for a project with real-time data to add to his portfolio. He wanted to analyse Telangana's growth among different sectors quantitatively and provide useful Insights to the Telangana government that would help them to make data-informed decisions that would further support the growth of the state.

MY APPROACH MAKING THIS PROJECT

To analyze Telengana's growth its been divided into three sectors:

1. The revenue generated from document registrations and estamp challan payments aggregated at the district and monthly level.
2. The individual vehicle sales categorized by fuel type, vehicle class, seating capacity, and other general categories aggregated at the district and monthly level.
3. The investment made in the different sector for the corresponding district and month.

The analysis is done by answering the following questions:

Stamp Registration

1. 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 and 2022.
2. 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?
3. 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?
4. Categorize districts into three segments based on their stamp registration revenue generation during the fiscal year 2021 to 2022.

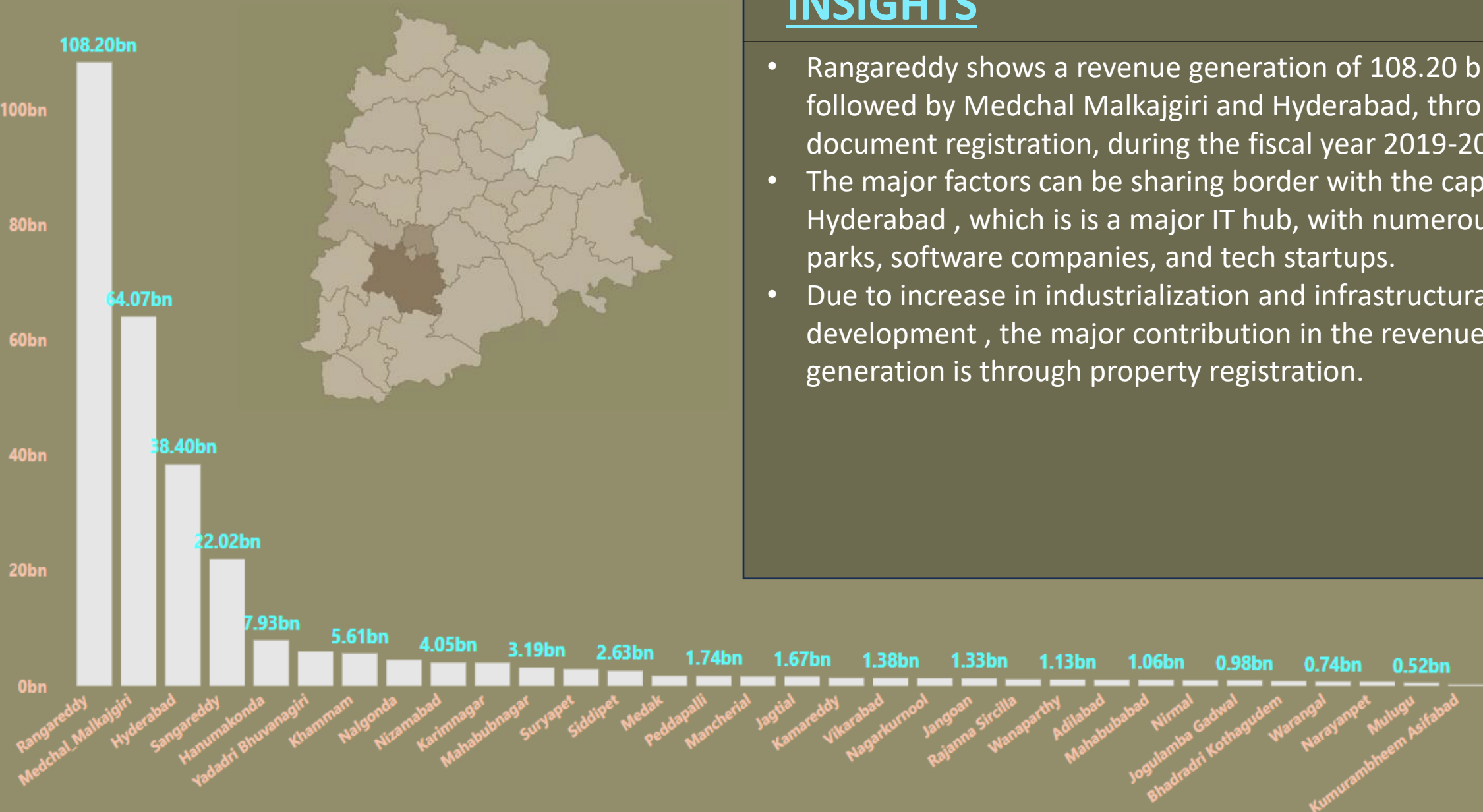
Transportation

5. 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)
6. How does the distribution of vehicles vary by vehicle class (Motor Cycle, Motor Car, Auto Rickshaw, Agriculture) across different districts? Are there any districts with a predominant preference for a specific vehicle class? Consider FY 2022 for analysis.
7. 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? (Consider and compare categories: Petrol, Diesel and Electric)

Ts- ~~Ip~~pass (Telangana State Industrial Project Approval and Self Certification System)

8. List down the top 5 sectors that have witnessed the most significant investments in FY 2022.
9. 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?
10. Is there any relationship between district investments, vehicles sales and stamps revenue within the same district between FY 2021 and 2022?
11. Are there any particular sectors that have shown substantial investment in multiple districts between FY 2021 and 2022?
12. Can we identify any seasonal patterns or cyclicity in the investment trends for specific sectors? Do certain sectors experience higher investments during particular months?

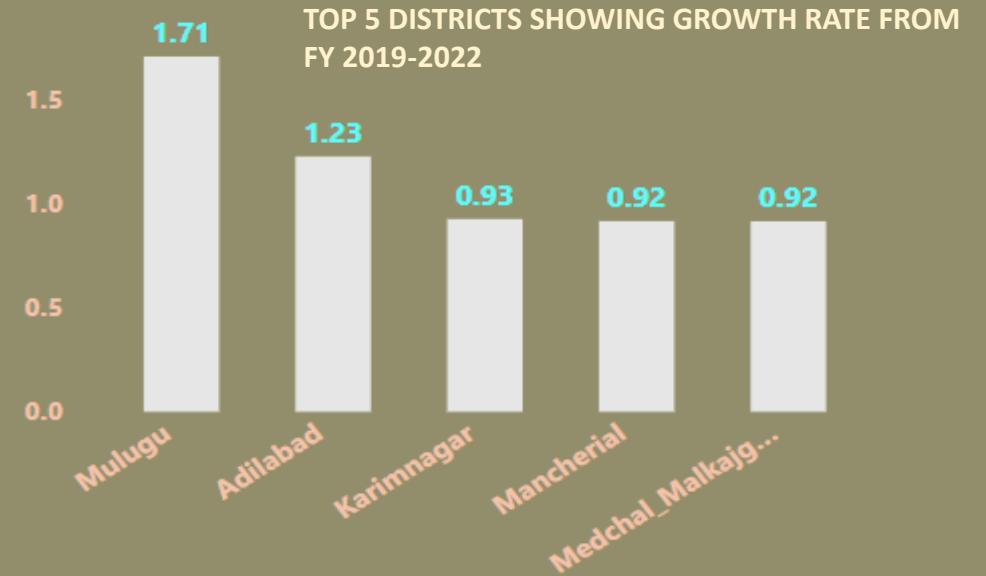
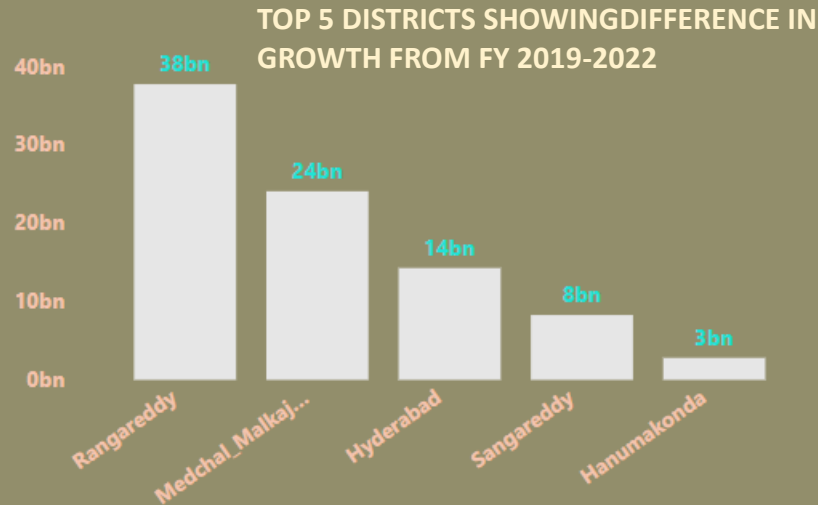
Qn 1 . How does the revenue generated from document registration vary across districts in Telangana? List down the top 5 districts that showed the highest document registration revenue growth between FY 2019 and 2022.



INSIGHTS

- Rangareddy shows a revenue generation of 108.20 billion, followed by Medchal Malkajgiri and Hyderabad, through document registration, during the fiscal year 2019-2022.
- The major factors can be sharing border with the capital, Hyderabad , which is is a major IT hub, with numerous IT parks, software companies, and tech startups.
- Due to increase in industrialization and infrastructural development , the major contribution in the revenue generation is through property registration.

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



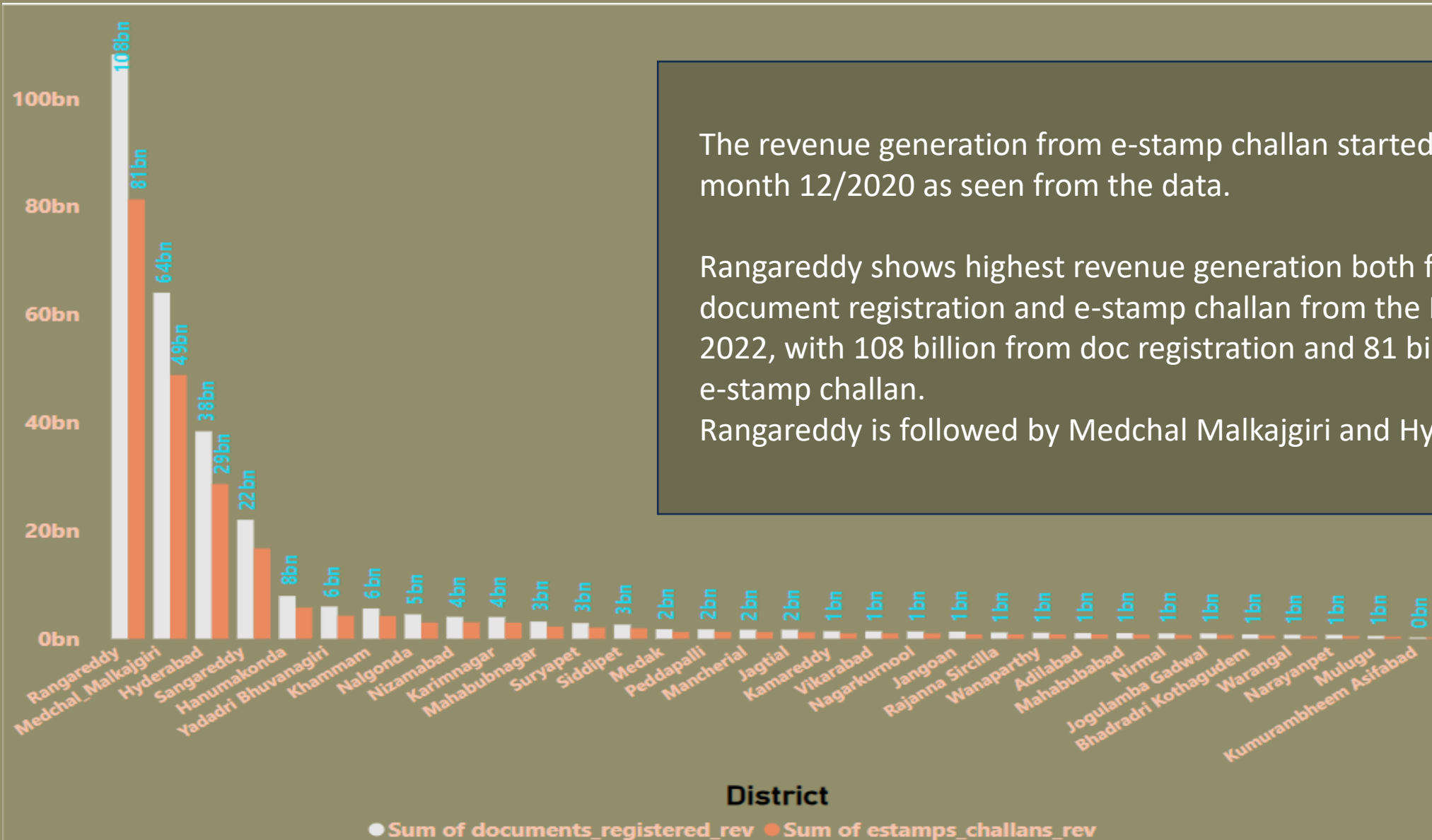
The difference in revenue generation has been the highest in the following 5 districts from document registration(2019-22)

1. Rangareddy
2. Medchal Malkajgiri
3. Hyderabad
4. Sangareddy
5. Hanumaconda

INSIGHTS

- Interestingly enough, the growth rate in Mulugu has shown highest growth rate of 1.7, which mean, the revenue generated in 2022 is 1.7 times that of 2019.

Qn 2 . 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?

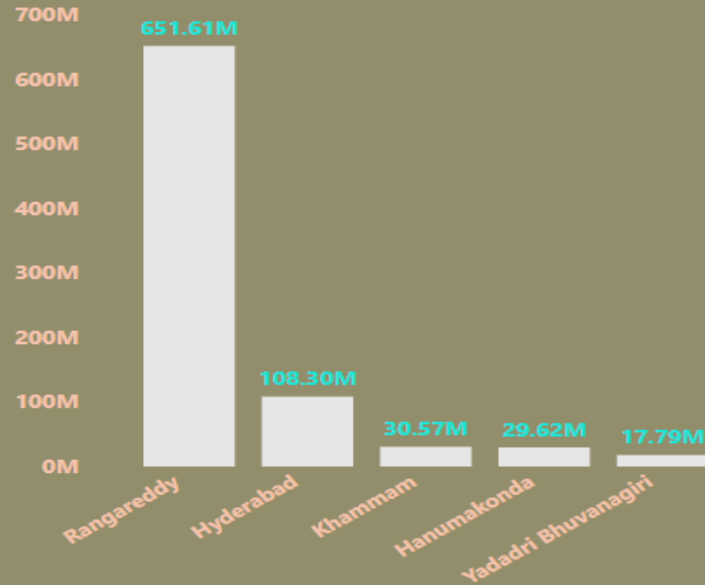


The revenue generation from e-stamp challan started from the month 12/2020 as seen from the data.

Rangareddy shows highest revenue generation both from document registration and e-stamp challan from the FY 2019-2022, with 108 billion from doc registration and 81 billion from e-stamp challan.

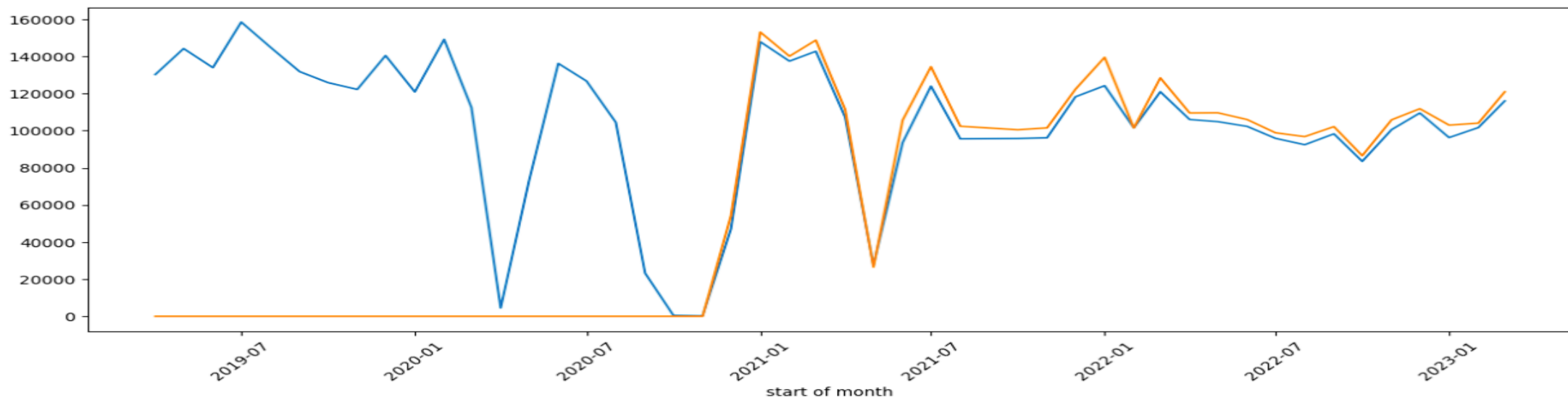
Rangareddy is followed by Medchal Malkajgiri and Hyderabad.

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



The districts where e-stamp revenue contributes to significantly more to revenue than document:
Rangareddy , Hyderabad , Khammam Hanumankonda ,
Yadadri Bhuvangiri.
The above plot shows that Rangareddy has way higher contribution than other districts.

Qn 3. 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?



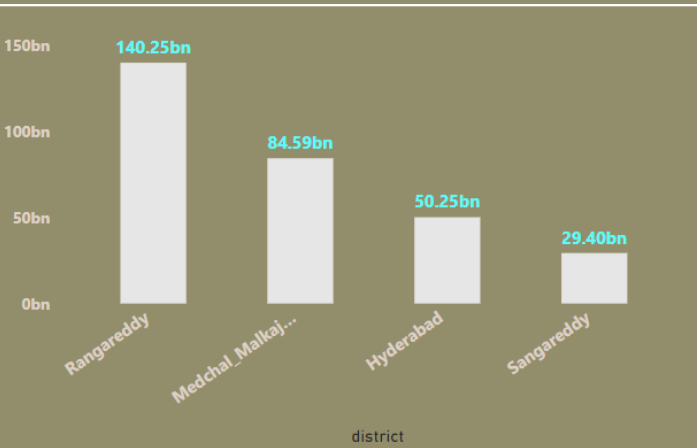
INSIGHTS

- We see a similar trend in revenue collection every month after the implementation of e-stamp challan in November 2020 for both revenue through stamp and document registration.
- There can be observed an uniformity in the in the revenue generation from January 2022
- My suggestions would be to digitalise the entire revenue system to help reduce tax evasion and fraud, leading to a more accurate and complete collection of revenue

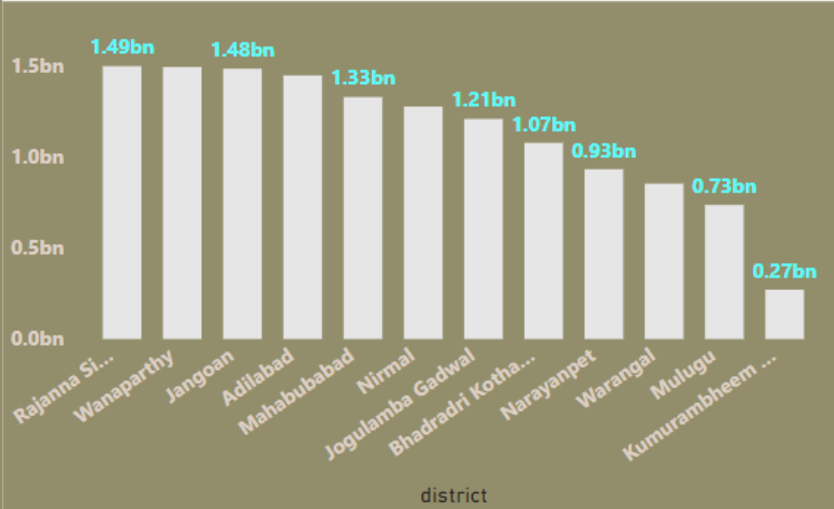
Qn 4. Categorize districts into three segments based on their stamp registration revenue generation during the fiscal year 2021 to 2022

Rangareddy	1,40,24,55,24,323
Medchal_Malkajgiri	84,58,84,91,143
Hyderabad	50,24,58,95,596
Sangareddy	29,39,96,26,999
Hanumakonda	9,85,47,17,448
Yadadri Bhuvanagiri	7,58,89,41,113
Khammam	7,26,20,14,402
Karimnagar	5,25,30,81,908
Nizamabad	5,20,73,86,574
Nalgonda	5,18,67,17,313
Mahabubnagar	3,94,13,83,431
Suryapet	3,62,10,69,773
Siddipet	3,50,47,34,496
Medak	2,26,85,98,930
Peddapalli	2,23,70,99,783
Mancheria	2,19,25,21,899
Jagtial	2,14,88,58,822
Vikarabad	1,79,33,74,952
Nagarkurnool	1,76,02,52,928
Kamareddy	1,71,12,40,750
Rajanna Sircilla	1,49,47,80,657
Wanaparthi	1,49,01,03,623
Jangoan	1,48,10,42,558
Adilabad	1,44,39,29,465
Mahabubabad	1,32,55,68,104
Nirmal	1,27,34,97,797
Jogulamba Gadwal	1,20,56,41,227
Bhadradi Kothagudem	1,07,49,03,478
Narayanpet	93,04,01,110
Warangal	85,12,49,383
Mulugu	73,42,61,626
Kumurambheem Asifab	26,96,77,619

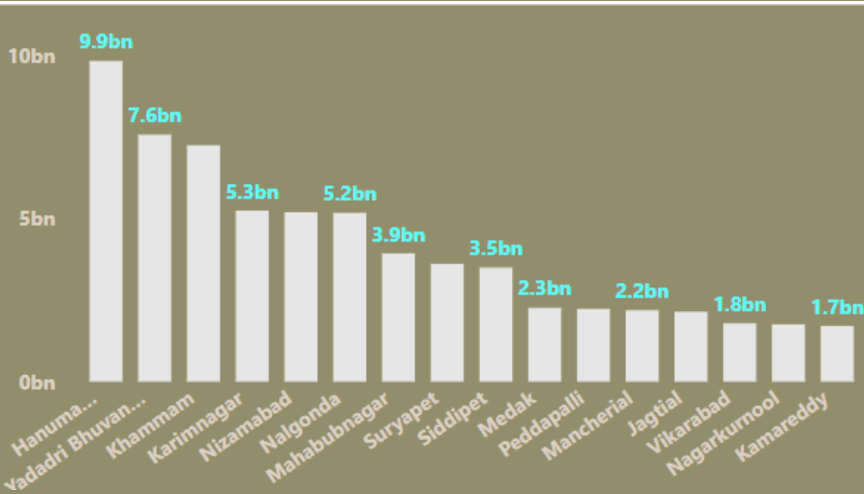
DISTRICTS HAVING REVENUE GENERATION GREATER THAN 28 BILLION



DISTRICTS HAVING REVENUE GENERATION LESS THAN 1.5 BILLION



DISTRICTS HAVING REVENUE GENERATION LESS THAN 28 BILLION AND GREATER 1.5 BILLION



Sum of fuel_type_petrol	Column Labels			
Row Labels	Q1	Q2	Q3	Q4
Adilabad	15355	14567	19128	17736
Bhadradri Kothagudem	28441	25680	30480	33062
Hyderabad	205978	250028	273227	247421
Jagtial	25135	28418	29961	25204
Jangoan	13733	14897	15762	14624
Jayashankar				
Bhupalpally	15907	16358	17367	16174
Jogulamba Gadwal	15523	17262	17970	16381
Kamareddy	26251	26019	31641	27148
Karimnagar	27198	31677	36592	29099
Khammam	42774	42810	45392	46710
Kumurambheem				
Asifabad	8759	8085	10372	12129
Mahabubabad	20181	18436	19007	20670
Mahabubnagar	34684	33049	39533	31226
Mancherial	17962	18881	23141	19040
Medak	17936	17223	21304	19941
Medchal_Malkajgiri	177750	210631	241063	211378
Nagarkurnool	18947	19933	20962	21198
Nalgonda	40951	42388	49027	46521
Nirmal	18330	18722	22454	19575
Nizamabad	44815	48465	59906	46905
Peddapalli	17845	18701	21692	18364
Rajanna Sircilla	13095	15062	17245	14298
Rangareddy	165347	197671	224099	198969
Sangareddy	50916	53913	60973	55781
Siddipet	26989	28467	30647	28038
Suryapet	29119	30733	33811	31982
Vikarabad	34983	33016	36953	33568
Wanaparthy	13806	14340	17255	13849
Warangal	43023	46597	52011	42385
Yadadri Bhuvanagiri	20342	23109	25044	22657

Qn 5. . 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)

SALES OF VEHICLES WITH FUEL TYPE PETROL ACROSS DISTRICT AND ACROSS SEASONS

- There is increase in sales of vehicles with fuel type petrol in quarter 3(Q3) [October, November, December] across all districts except for Mahabubabad.
- There is decrease in sales of vehicles with fuel type petrol in quarter 1(Q1) [April , May ,June] across all districts except for Mahabubabad , Vikarabad , Mahabubnagar.

Sum of fuel_type_diesel	Column Labels			
Row Labels	Q1	Q2	Q3	Q4
Adilabad	2106	2278	3410	3970
Bhadradri Kothagudem	7419	5736	7351	7379
Hyderabad	20409	23506	24511	24707
Jagtial	3964	3923	4482	4059
Jangoan	3755	3366	4047	3351
Jayashankar Bhupalpally	4910	3995	4093	4310
Jogulamba Gadwal	2301	2445	2700	3034
Kamareddy	3758	3630	4590	4666
Karimnagar	10284	7310	6694	6769
Khammam	9113	8567	9754	9950
Kumurambheem Asifabad	1536	1523	2357	3072
Mahabubabad	5114	4031	4451	4876
Mahabubnagar	6726	6875	8147	8004
Mancherial	3389	3730	4421	4972
Medak	5148	4635	6256	4544
Medchal_Malkajgiri	25970	30648	32195	32789
Nagarkurnool	5674	5857	6168	6843
Nalgonda	10727	9617	11610	12374
Nirmal	2831	3087	4286	3662
Nizamabad	7111	7303	9237	7842
Peddapalli	3508	3627	4146	3900
Rajanna Sircilla	2552	2523	3583	3096
Rangareddy	23466	28566	29110	29919
Sangareddy	8673	9586	11284	12000
Siddipet	6375	5950	7224	6207
Suryapet	9148	7925	10267	9148
Vikarabad	6527	7330	9231	9573
Wanaparthy	3124	3370	3405	3222
Warangal	7896	7672	9014	7942
Yadadri Bhuvanagiri	5362	5204	6521	5968

SALES OF VEHICLES WITH FUEL TYPE DIESEL ACROSS DISTRICT AND ACROSS SEASONS

- There is increase in sales of vehicles with fuel type diesel in quarter 3(Q3) [October, November, December] and quarter 4 (Q4)[January , February , March] across all districts except for Jangoan , , Karimnagar .
- There is decrease in sales of vehicles with fuel type diesel in quarter 1(Q1) [April , May , June] and quarter 2 (Q2)[July , August , September] across all districts except for Bhadradri Kothagudem , Jangoan , JayshankarBhupalpally , Mahabubabad

Sum of fuel_type_electric	Column Labels			
Row Labels	Q1	Q2	Q3	Q4
Adilabad	42	185	148	272
Bhadradri Kothagudem	88	75	65	168
Hyderabad	5232	8341	6741	11698
Jagtial	169	206	243	529
Jangoan	55	53	69	89
Jayashankar Bhupalpally	63	90	71	129
Jogulamba Gadwal	43	36	44	42
Kamareddy	106	133	109	232
Karimnagar	266	442	418	776
Khammam	112	194	177	486
Kumurambheem Asifabad	14	36	37	52
Mahabubabad	14	19	34	91
Mahabubnagar	142	172	212	437
Mancherial	66	142	150	165
Medak	75	144	127	205
Medchal_Malkajgiri	4091	5072	4893	8790
Nagarkurnool	44	55	73	139
Nalgonda	135	182	233	466
Nirmal	266	255	245	363
Nizamabad	498	927	780	1404
Peddapalli	112	148	143	283
Rajanna Sircilla	90	225	174	399
Rangareddy	3993	5234	4579	7949
Sangareddy	777	1372	1096	1925
Siddipet	173	385	282	512
Suryapet	172	212	196	350
Vikarabad	120	360	186	401
Wanaparthy	58	63	88	131
Warangal	196	283	292	485
Yadadri Bhuvanagiri	96	109	109	219

SALES OF VEHICLES WITH FUEL TYPE ELECTRIC ACROSS DISTRICT AND ACROSS SEASONS

- There is increase in sales of vehicles with fuel type electric in quarter 4 (Q4)[January , February , March] across all districts except for Jogulamba Gadwal.
- There is decrease in sales of vehicles with fuel type electric in quarter 1(Q1) [April , May , June] across all districts except for Nirmal , Jogulamba Gadwal and Bhadradri Kothagudem

Qn 6. . 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.

Row Labels	Sum of vehicleClass_MotorCycle	Sum of vehicleClass_MotorCar	Sum of vehicleClass_Agriculture	Sum of vehicleClass_AutoRickshaw
Adilabad	62561	6448	1331	1997
Bhadradi				
Kothagudem	106154	15053	8564	5571
Hyderabad	854183	196428	84	35990
Jagtial	102227	9347	7074	1754
Jangoan	55403	4687	7181	1467
Jayashankar				
Bhupalpally	61034	6070	9871	1567
Jogulamba Gadwal	64610	3707	4365	709
Kamareddy	103986	9004	5009	1986
Karimnagar	108704	20201	6960	3408
Khammam	161383	23911	11580	7414
Kumurambheem				
Asifabad	37733	2206	476	1895
Mahabubabad	74232	5000	4588	2518
Mahabubnagar	128386	14873	7517	5072
Mancherial	70949	10216	2075	3161
Medak	70576	8337	6996	3422
Medchal_Malkajgiri	686735	232514	1616	115
Nagarkurnool	75197	7488	9208	1781
Nalgonda	163909	20825	15330	6455
Nirmal	74608	7325	5424	1787
Nizamabad	184706	24764	8373	5224
Peddapalli	68951	10176	4581	1800
Rajanna Sircilla	56203	5376	3902	835
Rangareddy	598298	254022	1699	104
Sangareddy	186260	52080	6562	11024
Siddipet	105980	13115	11966	2506
Suryapet	117325	12185	13519	2762
Vikarabad	125128	19373	7995	11615
Wanaparthy	55837	4839	5190	1656
Warangal	166957	24407	8157	4778
Yadadri Bhuvanagiri	81772	12453	8521	4772

- Sales of motorcycle is more than any other vehicle class in all the districts of Telengana .
- And Autorickshaw has least of sales compared to other vehicle class in all districts except Kumurambheem.
- Kumurambheem has more autorickshaw sales than Agricultural vehicles.

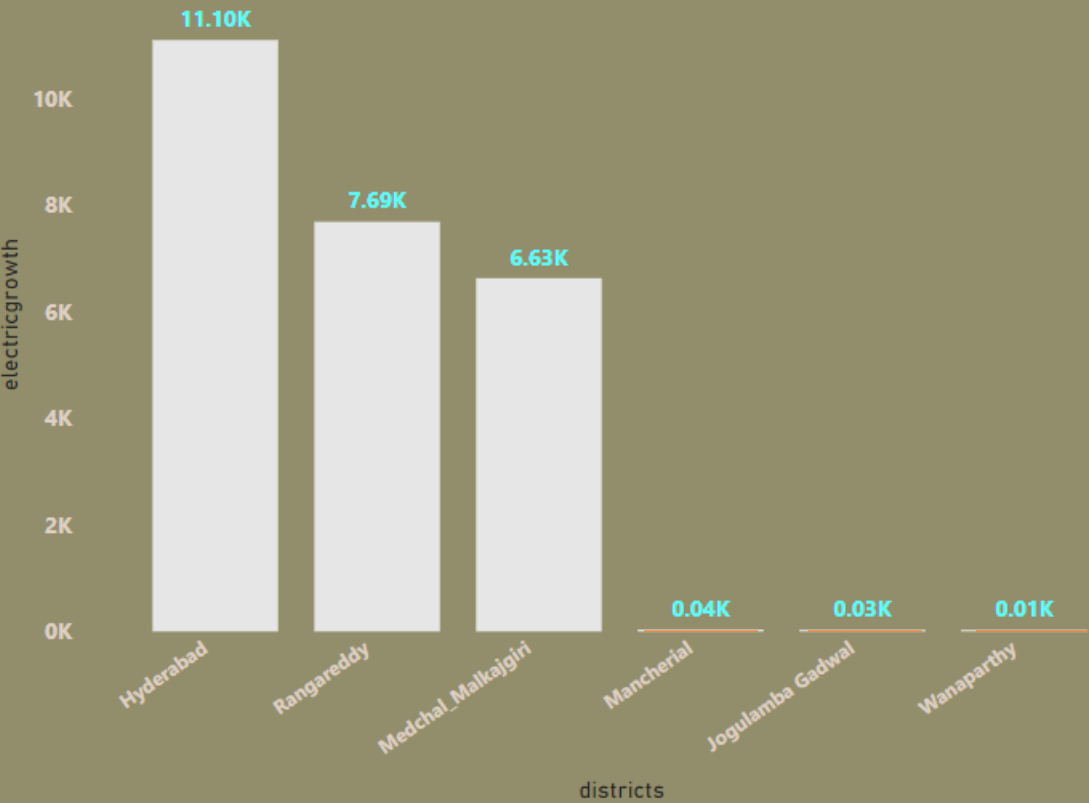
Qn 6. . Are there any districts with a predominant preference for a specific vehicle class? Consider FY 2022 for analysis.

Districts	MotorCycle	MotorCar	Agriculture	AutoRickshaw
Adilabad	62,561	6,448	1,331	1,997
Bhadradri Kothagudem	1,06,154	15,053	8,564	5,571
Hyderabad	8,54,183	1,96,428	84	35,990
Jagtial	1,02,227	9,347	7,074	1,754
Jangoan	55,403	4,687	7,181	1,467
Jayashankar Bhupalpally	61,034	6,070	9,871	1,567
Jogulamba Gadwal	64,610	3,707	4,365	709
Kamareddy	1,03,986	9,004	5,009	1,986
Karimnagar	1,08,704	20,201	6,960	3,408
Khammam	1,61,383	23,911	11,580	7,414
Kumurambheem Asifabad	37,733	2,206	476	1,895
Mahabubabad	74,232	5,000	4,588	2,518
Mahabubnagar	1,28,386	14,873	7,517	5,072
Mancherial	70,949	10,216	2,075	3,161
Medak	70,576	8,337	6,996	3,422
Medchal_Malkajgiri	6,86,735	2,32,514	1,616	115
Nagarkurnool	75,197	7,488	9,208	1,781
Nalgonda	1,63,909	20,825	15,330	6,455
Nirmal	74,608	7,325	5,424	1,787
Nizamabad	1,84,706	24,764	8,373	5,224
Peddapalli	68,951	10,176	4,581	1,800
Rajanna Sircilla	56,203	5,376	3,902	835
Rangareddy	5,98,298	2,54,022	1,699	104
Sangareddy	1,86,260	52,080	6,562	11,024
Siddipet	1,05,980	13,115	11,966	2,506
Suryapet	1,17,325	12,185	13,519	2,762
Vikarabad	1,25,128	19,373	7,995	11,615
Wanaparthy	55,837	4,839	5,190	1,656
Warangal	1,66,957	24,407	8,157	4,778
Yadadri Bhuvanagiri	81,772	12,453	8,521	4,772

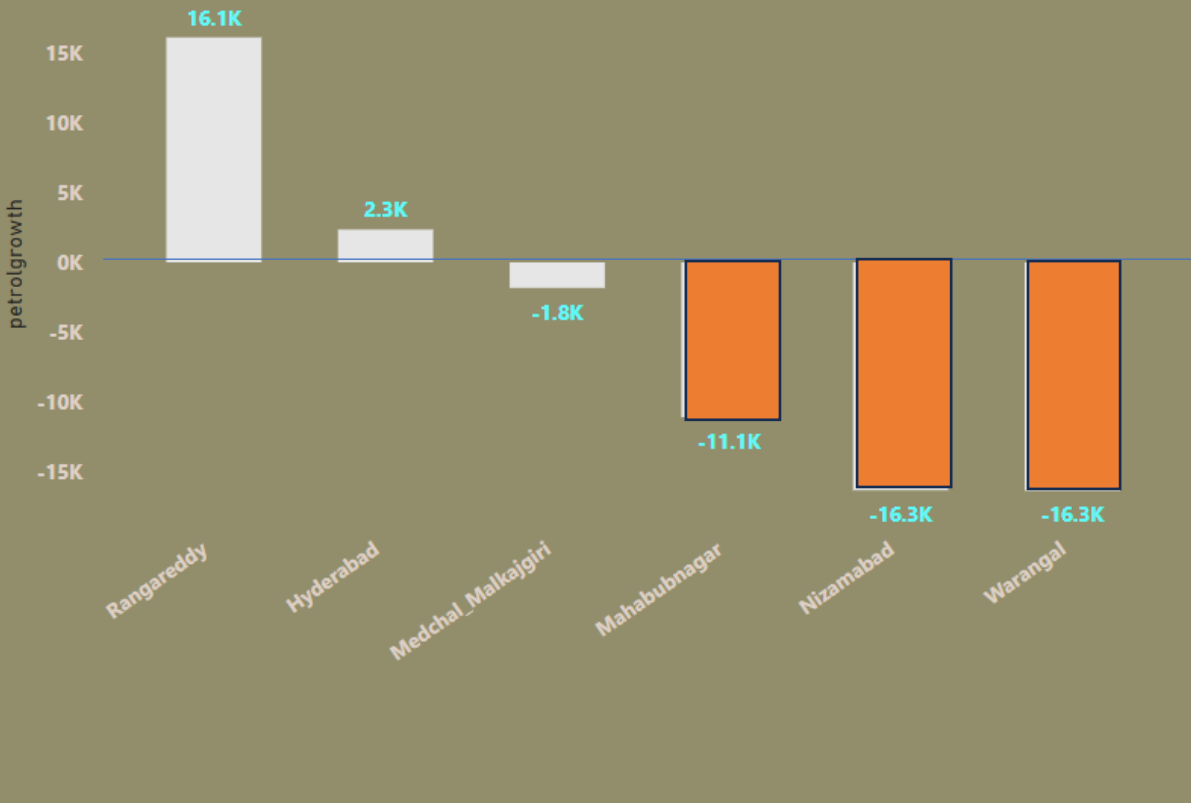
Hyderabad , Medchal Malkajgiri, and Rangareddy shows shows significant preference of motorcycle over other vehicle classes

Qn7 . 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? (Consider and compare categories: Petrol, Diesel and Electric)

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

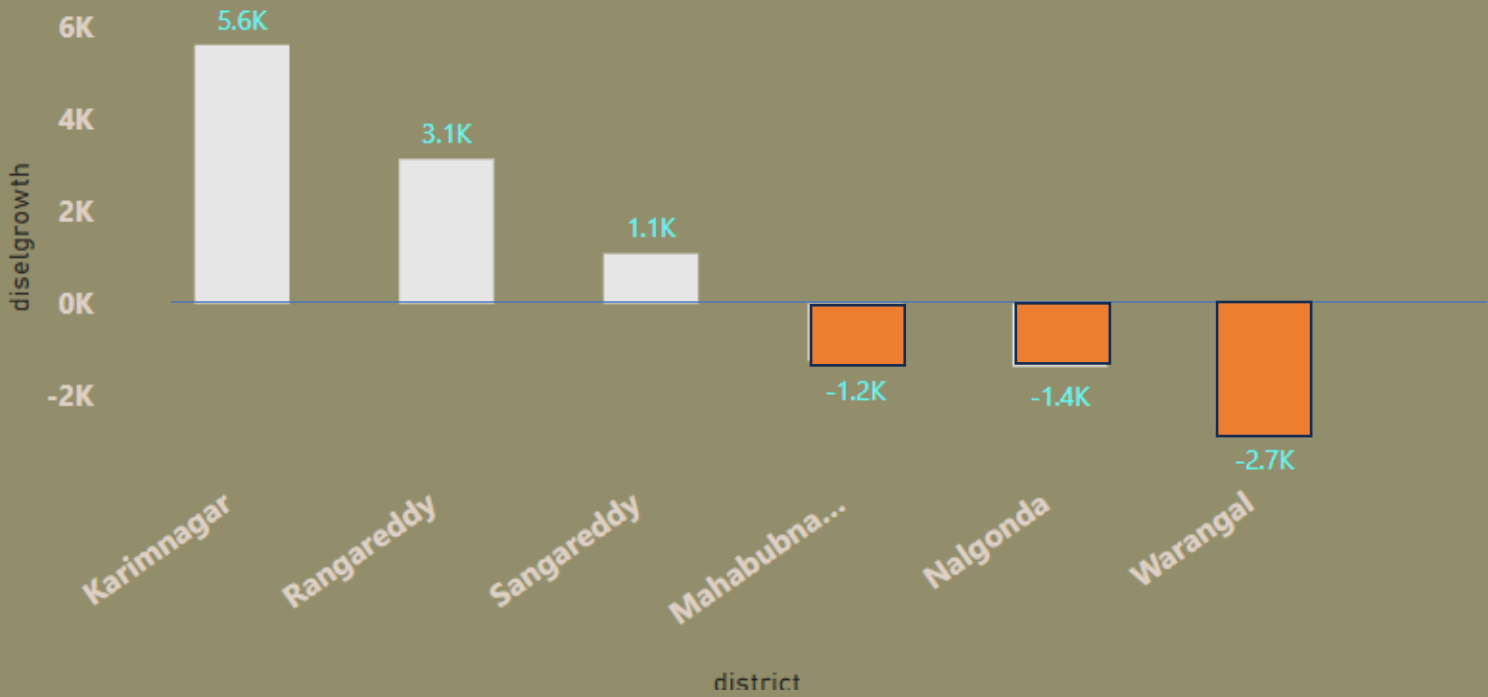


Top and bottom 3 that have shown the highest and lowest petrol vehicle sales growth during FY 2022 compared to FY 2021

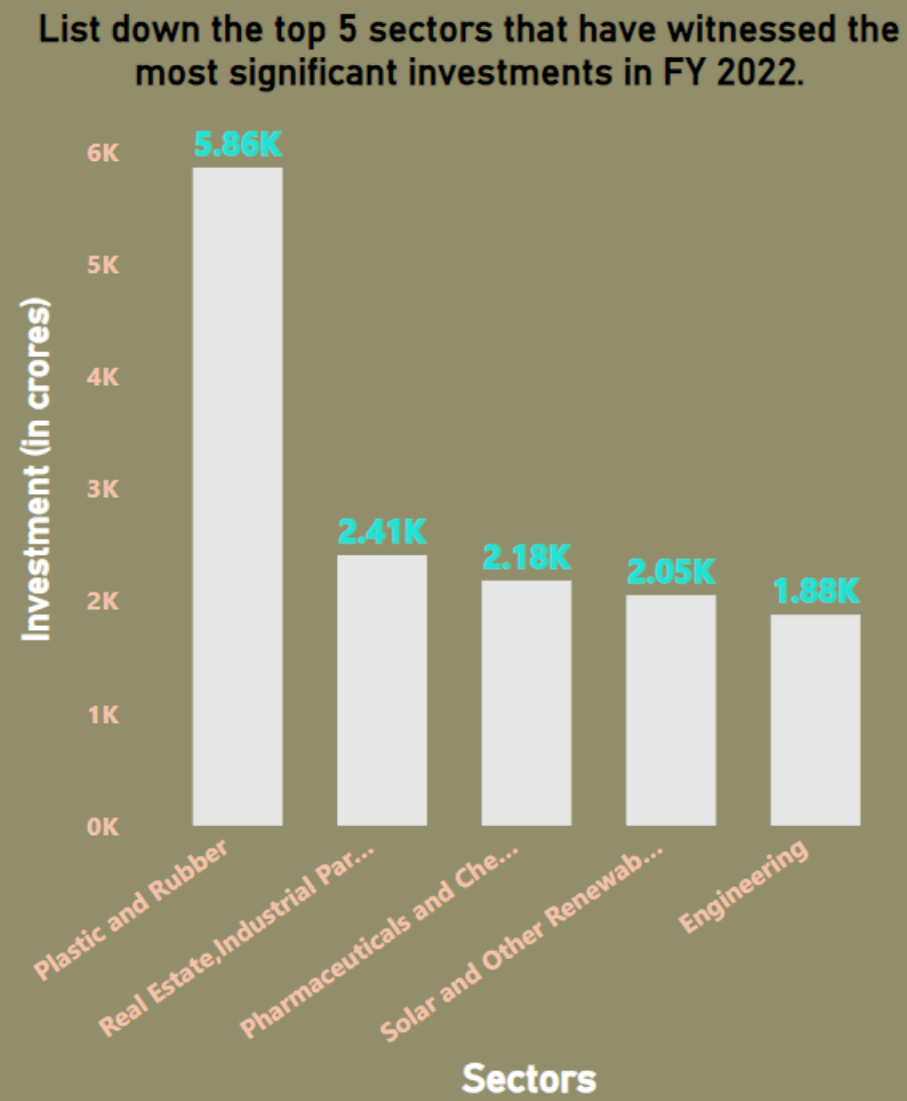


List down the top 3 and bottom 3 districts that have shown the highest and lowest vehicle sales growth during FY 2022 compared to FY 2021? (Consider and compare categories: Petrol, Diesel and Electric)

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

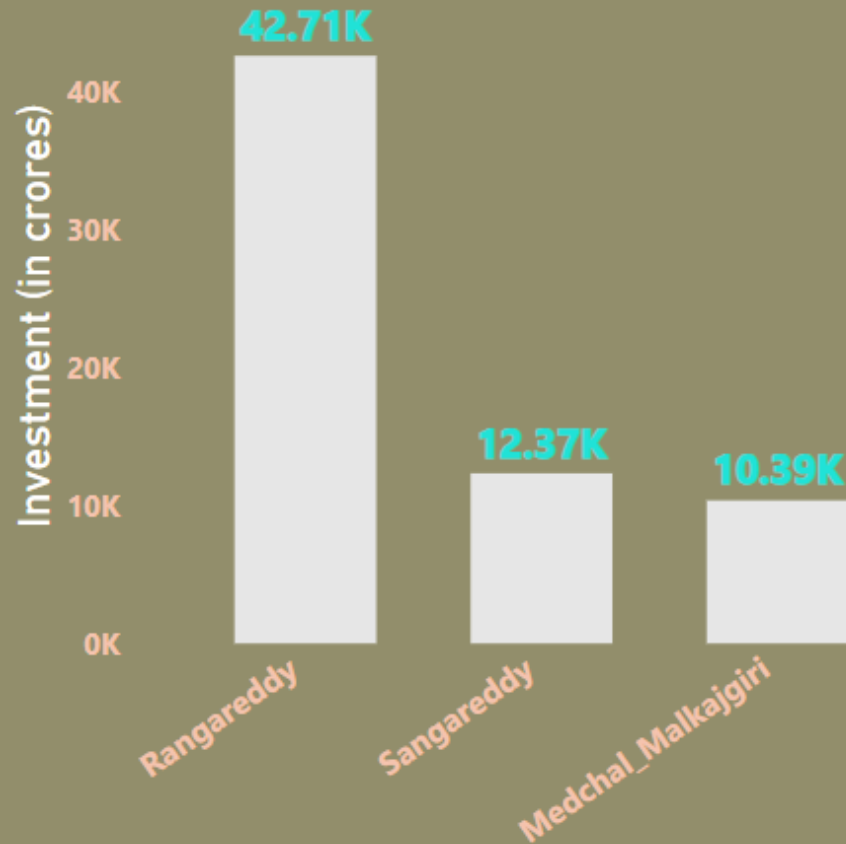


Qn 8 . . List down the top 5 sectors that have witnessed the most significant investments in FY 2022.



Qn 9. . 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 districts that have attracted the most significant sector investments during FY 2019 to 2022



- **Proximity to Hyderabad:** The proximity to a major metropolitan area like Hyderabad provides easy access to markets, infrastructure, and a skilled workforce, making it an attractive location for businesses.
- **Industrial Clusters:** Both Rangareddy and Sangareddy districts host industrial clusters and special economic zones that offer various incentives to businesses.
- **Infrastructure Development:** The state government has invested heavily in infrastructure development, including road networks, airports, and industrial corridors in and around these districts.
- **Information Technology (IT) and Special Economic Zones:** Rangareddy district has IT parks and special economic zones, attracting technology and manufacturing companies.

QN 10 . Is there any relationship between district investments, vehicles sales and stamps revenue within the same district between FY 2021 and 2022

district	Sum of Total Revenue	Sum of Total vehicle sales	Sum of investment in cr
Rangareddy	140245524323	463231	12,480.63
Medchal_Malkajgiri	84588491143	483282	5,364.15
Hyderabad	50245895596	548726	35.63
Sangareddy	29399626999	130716	8,776.51
Hanumakonda	9854717448		196.67
Yadadri Bhuvanagiri	7588941113	50850	1,759.21
Khammam	7262014402	93311	340.51
Karimnagar	5253081908	72132	220.60
Nizamabad	5207386574	93611	127.33
Nalgonda	5186717313	93394	1,539.37
Mahabubnagar	3941383431	63865	2,288.73
Suryapet	3621069773	66634	1,360.38
Siddipet	3504734496	59236	1,523.02
Medak	2268598930	41450	2,093.95
Peddapalli	2237099783	36667	94.07
Mancheria	2192521899	38806	189.49
Jagtial	2148858822	46183	84.13
Vikarabad	1793374952	79020	207.00
Nagarkurnool	1760252928	45072	293.33
Kamareddy	1711240750	50067	992.10
Rajanna Sircilla	1494780657	28089	79.08
Wanaparthy	1490103623	29178	401.38
Jangoan	1481042558	29668	121.86
Adilabad	1443929465	33248	9.94
Mahabubabad	1325568104	38957	118.02
Nirmal	1273497797	37807	42.90
Jogulamba Gadwal	1205641227	29986	111.00
Bhadradi Kothagudem	1074903478	59563	1,024.60
Narayanpet	930401110		1,598.69
Warangal	851249383	67031	121.91
Mulugu	734261626		21.85

- From the matrix in the left, it is clear that there is a direct relation between district investment , vehicle sales and stamp revenue.
- The higher the revenue and vehicle sales the more is the investments in those districts.
- But if we look at Sangareddy district, we see an exception. Though the revenue generation is not as high as Rangareddy or Medchal_malkajgiri, yet it has attracted high investments.
- Its quite interesting to see, that investments in Hyderabad is very low , even through being the capital city , with fair revenue generation and high vehicle sales.

Q 11. . Are there any particular sectors that have shown substantial investment in multiple districts between FY 2021 and 2022?

sector	Sum of investment in cr	Count of district
Real Estate,Industrial Parks and IT Buildings	29,778.17	5
Pharmaceuticals and Chemicals	15,858.06	30
Plastic and Rubber	9,649.78	32
Solar and Other Renewable Energy	5,639.70	17
Fertilizers Organic and Inorganic,Pesticides,Insecticides, and Other Related	5,418.40	19
Engineering	5,024.61	31
Food Processing	4,115.91	33
R&D	3,520.91	9
Others	3,229.48	32
Paper and Printing	2,946.24	27
Beverages	2,809.80	30
Cement, Cement & Concrete Products, Fly Ash Bricks	2,238.63	32
Agro based incl Cold Storages	2,100.47	33
Granite and Stone Crushing	1,922.38	31
Textiles	1,844.27	29
Automobile	1,575.21	6
Electrical and Electronic Products	941.63	19
Wood and Leather	152.40	25
Total	98,766.06	33

- 5 districts have received investment in Real Estates , and IT Buildings. And the investment received is highest of all the sectors.
- 30 districts have received investments in Pharmaceutical and Chemical industry

Q 12. Can we identify any seasonal patterns or cyclicity in the investment trends for specific sectors? Do certain sectors experience higher investments during particular months?

Sum of investment in cr Row Labels	Column Labels											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Agro based incl Cold Storages	80.92	50.68	291.17	113.16	148.18	605.77	137.60	98.53	207.99	88.20	65.06	213.21
Automobile	1,254.27	0.07	7.28	2.25	51.00	0.50	37.09			221.39	0.37	1.00
Beverages	861.62	687.10	14.57	18.63	344.87	17.79	15.19	2.90	9.72	109.23	432.55	295.62
Cement, Cement & Concrete Products, Fly Ash Bricks	39.60	102.10	125.01	65.65	59.69	436.25	279.11	977.12	35.84	32.75	49.46	36.04
Electrical and Electronic Products	269.37	51.55	59.08	41.02	42.74	104.39	175.70	27.68	63.73	36.26	40.66	29.45
Engineering	192.78	1,332.52	451.72	209.70	343.08	220.85	257.37	359.14	242.45	688.31	286.07	440.63
Fertilzers Organic and Inorganic,Pesticides,Insecticides, and Other Related	11.76	12.37	17.92	8.05	3.71	8.39	6.48	9.20	53.92	8.80	3.47	5,274.35
Food Processing	241.88	282.68	549.35	175.99	285.79	193.39	347.11	263.07	441.57	374.65	486.46	473.99
Granite and Stone Crushing	170.65	83.12	92.96	127.07	253.73	312.31	73.37	81.59	69.55	397.46	176.82	83.74
Others	286.00	259.34	204.68	122.18	124.28	424.90	744.56	266.44	77.33	53.98	73.49	592.29
Paper and Printing	75.87	180.02	242.87	48.10	24.60	26.82	1,061.74	93.04	35.20	28.12	1,001.45	128.41
Pharmaceuticals and Chemicals	936.85	1,857.50	750.90	294.56	484.01	1,694.01	2,807.09	953.78	2,139.76	930.53	900.55	2,108.52
Plastic and Rubber	1,803.24	272.70	750.85	1,093.37	73.97	634.18	329.96	1,567.61	523.67	295.00	346.92	1,958.33
R&D	229.44	463.84	478.73	639.64	152.44	359.30	355.81	193.78	489.25	42.06	46.91	69.71
Real Estate,Industrial Parks and IT Buildings	1,397.17	17,843.35	3,399.00	822.70	903.32	270.75	1,124.23	2,007.67	283.38	904.53	822.09	
Solar and Other Renewable Energy	246.85	4.36	151.56	1,202.94	98.46	1,109.48	327.76	37.44	409.47	0.77	2,008.20	42.42
Textiles	63.32	56.16	66.21	15.08	37.89	51.05	81.51	104.21	1,191.79	87.01	44.65	45.38
Wood and Leather	22.40	10.14	5.30	6.94	5.05	13.12	11.40	10.05	40.58	2.86	14.78	9.78

- There can be seen a rise in investment in the Real Estates and IT buildings sector in Feb and March and is low in other months.
- Pharmaceuticals and chemical industry has seen a spike in investment from June to September.
- Fertilizers Organic and Inorganic , Pesticides, Insecticides sector attracted more investment in December and being consistent during other months.
- Plastic and rubber industry has seen an increase in investment in Jan , Aug and Dec.
- Solar and renewable energy sector has seen a spike in investment in November

Thank You