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**Project 29 Covid-19-Analysis:**

**Data of 12-01-2021**

1. Importing some libraries like **Pandas=**manipulatethe data structure,ead the dataset

**,seaborn=**visualization library,

,**mathplotlib=**ploting graph

* Read the dataset
* Load the dataset
* Data Understanding:
* 37 rows and 11 columns in dataset(shape function)
* No null values(isnull function)
* Type data present in it, presence of null value(info function)
* View Descriptive Statistic like std ,min,max(Describe function)
* Display Columns names (keys function)
* Tail function for displaying last rows
* iloc for exception of last columns
* We find the total of:

1. Active cases in India 2,22,526
2. Positive cases in India 10,466,595
3. Cured cases in India 10,092,909
4. Death in India 1,51,160
5. New\_Active cases in India 2,16,558
6. New\_Positive cases in India 10,479,179
7. New\_Cured cases in India 10,111,294
8. New\_Death in India 1,51.327

* Data visualization:

1.*Print scatter\_plot(X axis is only changes) we use* **sns.pairplot**

* Create the subset of dataset bycalculating the sum of dataframe
* Drop the unnecessary columns
* Create a pie chart of first 4 columns (autopct for percentage value) positive:50%,cured:48.2%,active:11%,death:0.74
* Create a next pie chart of new values 4 columns (autopct for percentage value) new\_positive:50%,new\_cured:48.2%,new\_active:11%,new\_death:0.74
* Then again create a overall piechart

2.*Next visualization is Barplot using* **plt.rcParams:**

* State name on X axis and active cases on Y axis ten it seems that highest casea are in Kerala,and low in to the Tripura
* Its plot the graph for all the remaining 5 features.
* Again in Death plot we seem that there is greatest count of death in Maharastra
* In new\_cuerd cases Maharastrs is on top
* We drop the column ‘sno’ and ‘state\_code’ then we set the state name as index
* Then we plot the stacked bar plot where the blue colour active ,yellow for positive etc.

It is sems that again there more number of Positive,Cured,Active and death cases are present in Maharashtra.So, Maharashtra is on top

* Then compared two cases with each other like Active and death,positive and death cases etc