**COVID 19 DATA ANALYSIS**

**1. Problem Statement**

To understand the how much Covid-19 affected humans lives.

**2. Purpose of the Project**

To Analyse the given the data sheet and make a dashboard to figureout the which state has suffered more & less and to get the information on vaccination taken by fellow humans.

**3.Impacted by this Analysis**

The government can make note of all the cases in every state and how are affected more by this and deploy help to those need of it first priority.

**4.What data looks like**

The given data has comfirmed cases, death count and cured cases in each state and also it has how many are vaccinated with male and female count and the positive & negative count too.

**5.Outcome**

Data Visualization are done in Excel dashboard and the given below Tables are top and bottom 10 in all kinds of valuable needed information.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **COMFIRMED CASES** |  |  |  |  |
| **TOP 10** |  |  |  | **BOTTOM 10** |  |
| **Row Labels** | **Sum of Confirmed** |  |  | **Row Labels** | **Sum of Confirmed** |
| Maharashtra | 1064427740 |  |  | Daman & Diu | 2 |
| Karnataka | 459735683 |  |  | Unassigned | 161 |
| Kerala | 427313974 |  |  | Dadra and Nagar Haveli | 20722 |
| Tamil Nadu | 408786439 |  |  | Himanchal Pradesh | 204516 |
| Andhra Pradesh | 374631235 |  |  | Cases being reassigned to states | 345565 |
| Uttar Pradesh | 297247727 |  |  | Madhya Pradesh\*\*\* | 791656 |
| Delhi | 274298085 |  |  | Lakshadweep | 823634 |
| West Bengal | 249317376 |  |  | Bihar\*\*\*\* | 1430909 |
| Chhattisgarh | 154749830 |  |  | Dadra and Nagar Haveli and Daman and Diu | 1842763 |
| Rajasthan | 153785608 |  |  | Andaman and Nicobar Islands | 1870612 |
| **Grand Total** | **3864293697** |  |  | **Grand Total** | **7330540** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **DEATH CASES AND PERCENTAGE** |  |  |  |  |  |
| **TOP 10** |  |  |  | **BOTTOM 10** |  |  |
| **Row Labels** | **Sum of Deaths** | **Sum of Deaths2** |  | **Row Labels** | **Sum of Deaths** | **Sum of Deaths2** |
| Maharashtra | 22534416 | 40.43% |  | Daman & Diu | 0 | 0.00% |
| Karnataka | 5723143 | 10.27% |  | Unassigned | 0 | 0.00% |
| Tamil Nadu | 5608369 | 10.06% |  | Cases being reassigned to states | 0 | 0.00% |
| Delhi | 4717732 | 8.46% |  | Dadra and Nagar Haveli | 8 | 0.02% |
| Uttar Pradesh | 3938519 | 7.07% |  | Dadra and Nagar Haveli and Daman and Diu | 978 | 2.14% |
| West Bengal | 3683145 | 6.61% |  | Lakshadweep | 3457 | 7.57% |
| Andhra Pradesh | 2817970 | 5.06% |  | Himanchal Pradesh | 3507 | 7.68% |
| Punjab | 2638818 | 4.73% |  | Mizoram | 8331 | 18.24% |
| Gujarat | 2128759 | 3.82% |  | Madhya Pradesh\*\*\* | 10506 | 23.01% |
| Chhattisgarh | 1942099 | 3.48% |  | Bihar\*\*\*\* | 18881 | 41.34% |
| **Grand Total** | **55732970** | **100.00%** |  | **Grand Total** | **45668** | **100.00%** |

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| --- | --- | --- | --- | --- | --- |
|  |  | **CURED CASES** |  |  |  |
| **TOP 10** |  |  |  | **BOTTOM 10** |  |
| **Row Labels** | **Sum of Cured** |  |  | **Row Labels** | **Sum of Cured** |
| Maharashtra | 963584102 |  |  | Cases being reassigned to states | 0 |
| Karnataka | 416155734 |  |  | Daman & Diu | 0 |
| Kerala | 390311164 |  |  | Unassigned | 0 |
| Tamil Nadu | 381444416 |  |  | Dadra and Nagar Haveli | 20352 |
| Andhra Pradesh | 352926995 |  |  | Himanchal Pradesh | 200040 |
| Uttar Pradesh | 276311742 |  |  | Lakshadweep | 729839 |
| Delhi | 260720476 |  |  | Madhya Pradesh\*\*\* | 780735 |
| West Bengal | 233983721 |  |  | Bihar\*\*\*\* | 1402468 |
| Chhattisgarh | 142720847 |  |  | Dadra and Nagar Haveli and Daman and Diu | 1746014 |
| Odisha | 142222495 |  |  | Andaman and Nicobar Islands | 1781610 |
| **Grand Total** | **3560381692** |  |  | **Grand Total** | **6661058** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **TOTAL SAMPLES** |  |  |  |  |
| **TOP 10** |  |  |  | **BOTTOM 10** |  |
| **Row Labels** | **Sum of TotalSamples** |  |  | **Row Labels** | **Sum of TotalSamples** |
| Uttar Pradesh | 9155561731 |  |  | Dadra and Nagar Haveli and Daman and Diu | 6324267 |
| Bihar | 6121329928 |  |  | Lakshadweep | 12622334 |
| Maharashtra | 5703822545 |  |  | Sikkim | 23149220 |
| Karnataka | 5453628818 |  |  | Ladakh | 27988511 |
| Tamil Nadu | 5436042291 |  |  | Nagaland | 42911316 |
| Andhra Pradesh | 4127211823 |  |  | Mizoram | 64100385 |
| Gujarat | 3745364851 |  |  | Andaman and Nicobar Islands | 72336655 |
| Delhi | 3499131565 |  |  | Chandigarh | 79203122 |
| Kerala | 3350897050 |  |  | Meghalaya | 96858864 |
| Telangana | 2680729201 |  |  | Arunachal Pradesh | 132259016 |
| **Grand Total** | **49273719803** |  |  | **Grand Total** | **557753690** |

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| --- | --- | --- | --- | --- | --- |
|  | **POSITIVE CASES** |  |  |  |  |
| **TOP 10** |  |  |  | **BOTTOM 10** |  |
| **Row Labels** | **Sum of Positive** |  |  | **Row Labels** | **Sum of Positive** |
| Maharashtra | 96901583 |  |  | Sikkim | 17644 |
| Kerala | 79723175 |  |  | Mizoram | 19785 |
| Jharkhand | 46499325 |  |  | Meghalaya | 33904 |
| Tamil Nadu | 12772604 |  |  | Arunachal Pradesh | 51245 |
| Tripura | 10061637 |  |  | Chandigarh | 59195 |
| Gujarat | 8009517 |  |  | Ladakh | 89027 |
| Delhi | 6848173 |  |  | Nagaland | 90682 |
| Puducherry | 6287323 |  |  | Manipur | 101501 |
| Karnataka | 4701197 |  |  | Himachal Pradesh | 119494 |
| Andhra Pradesh | 3859260 |  |  | Dadra and Nagar Haveli and Daman and Diu | 169010 |
| **Grand Total** | **275663794** |  |  | **Grand Total** | **751487** |
|  |  |  |  |  |  |
|  | **NEGATIVE CASES** |  |  |  |  |
| **TOP 10** |  |  |  | **BOTTOM 10** |  |
| **Row Labels** | **Count of Negative** |  |  | **Row Labels** | **Count of Negative** |
| Uttarakhand | 10.49% |  |  | Bihar | 0.58% |
| Jammu and Kashmir | 10.47% |  |  | West Bengal | 0.58% |
| Himachal Pradesh | 10.42% |  |  | Andaman and Nicobar Islands | 0.58% |
| Jharkhand | 10.33% |  |  | Goa | 1.17% |
| Chandigarh | 10.24% |  |  | Mizoram | 1.17% |
| Puducherry | 9.92% |  |  | Odisha | 7.60% |
| Arunachal Pradesh | 9.87% |  |  | Delhi | 12.87% |
| Madhya Pradesh | 9.48% |  |  | Telangana | 17.54% |
| Tripura | 9.43% |  |  | Assam | 28.07% |
| Andhra Pradesh | 9.34% |  |  | Punjab | 29.82% |
| **Grand Total** | **100.00%** |  |  | **Grand Total** | **100.00%** |

**6.Review**

The lockdown system helped the country to survive much better from coronavirus.

It kept most of the people not affected by the virus but at the same time it totally damaged the economy of the country.

Most of the small scale business person were affected by this but it helped most of the people to figureout their hidden talents.

In my opinion the government must make all the people to put vaccine so avoid spreading the virus and shouldnot worry about it in future.