

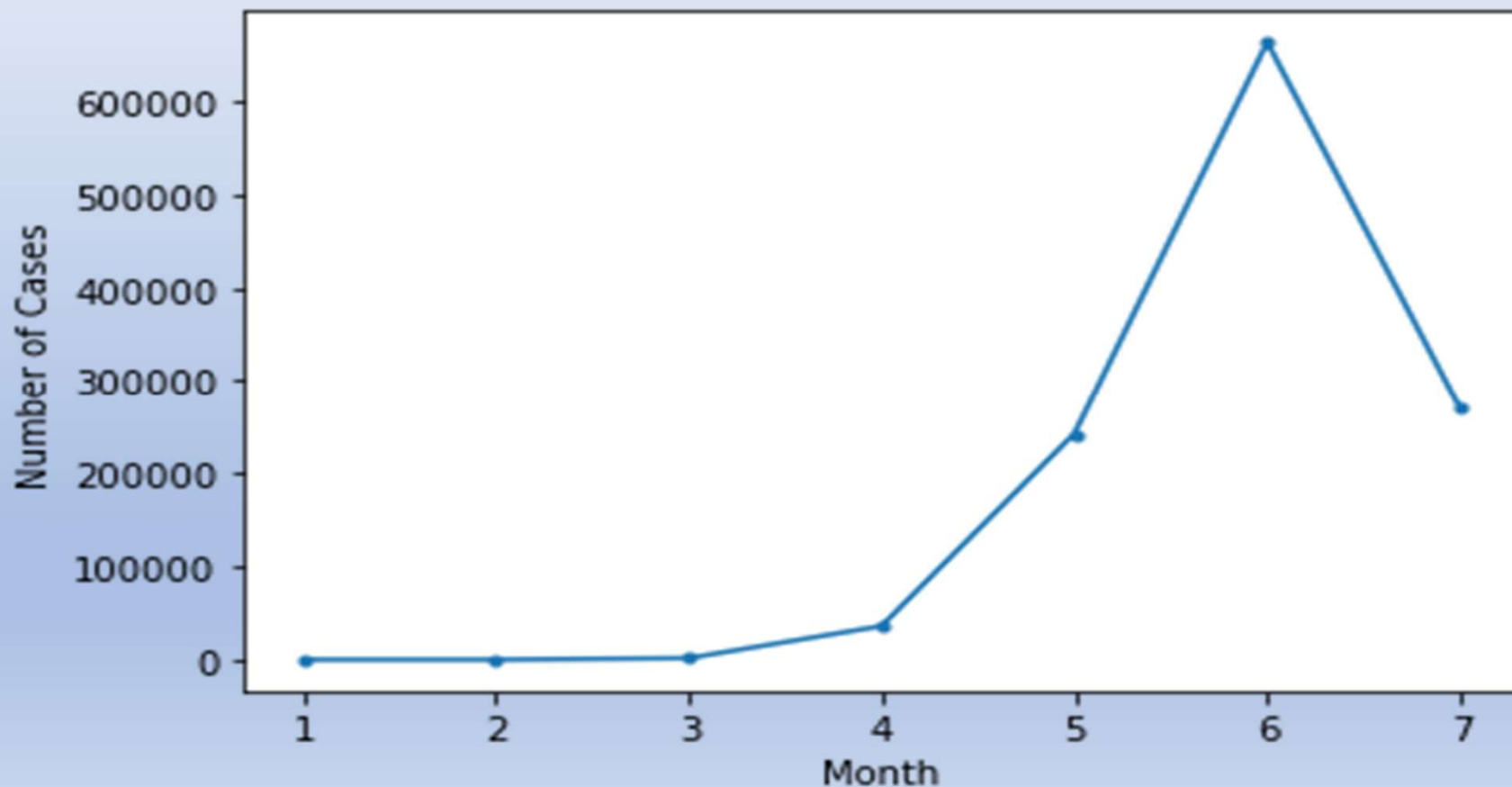
Covid Data Analysis Report

By Mohamad Ehthesham S

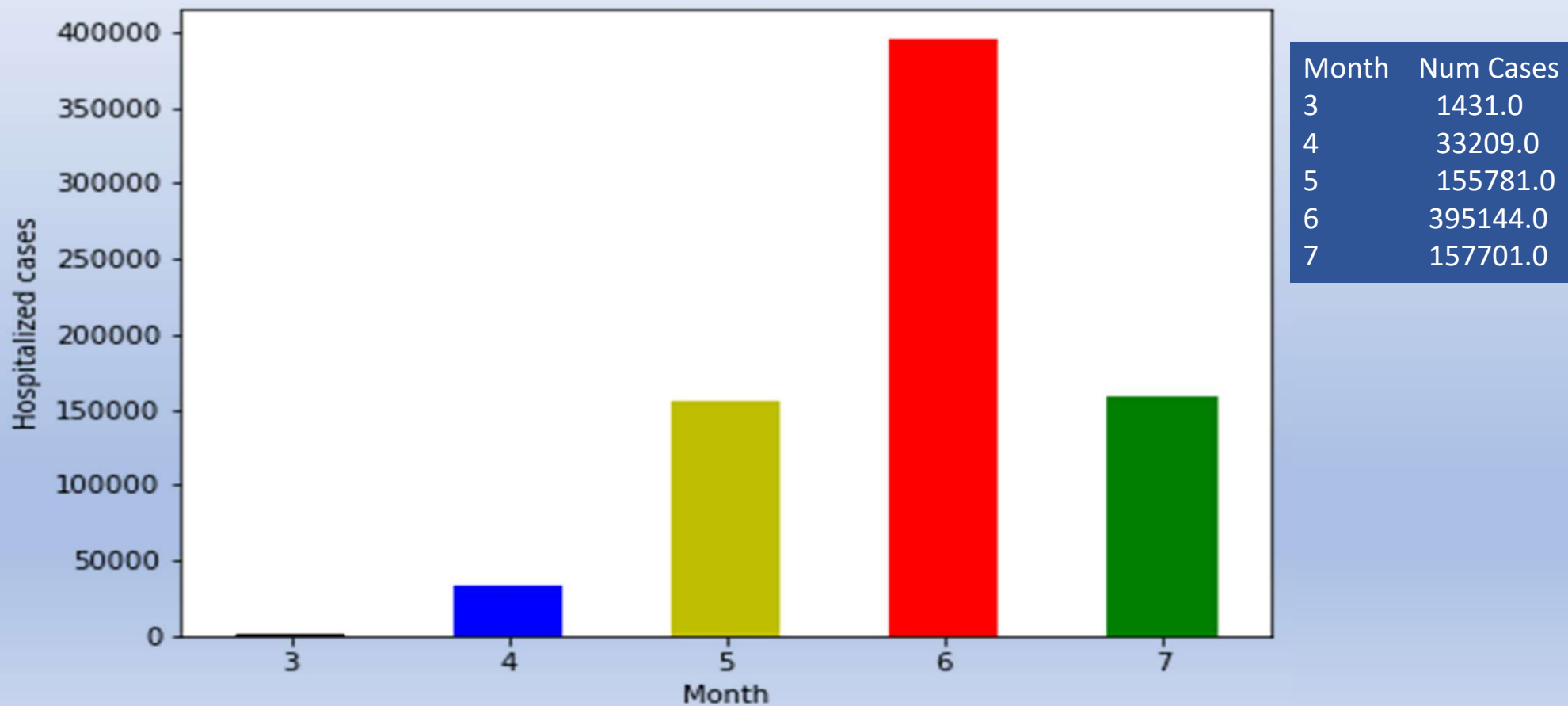
Languages used Python, Pandas, Matplotlib

Tools used Jupyter Notebook

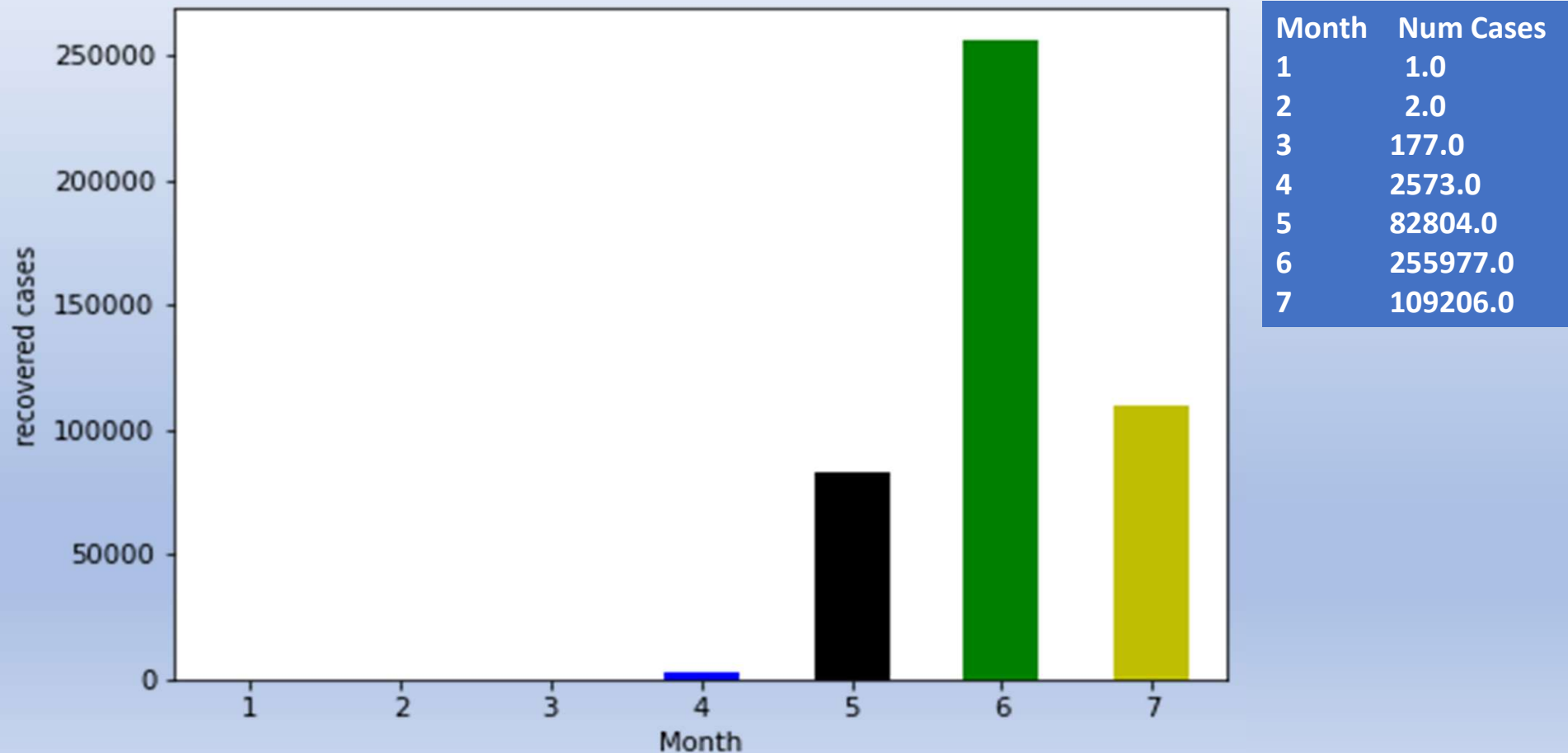
Covid cases Month wise – From chart it is clear that Covid cases have increased from 3rd month to 6th month , and the Covid cases peak has occurred during month 6th i.e. month of June 2020 . Again the covid cases have dipped sharply after June 2020



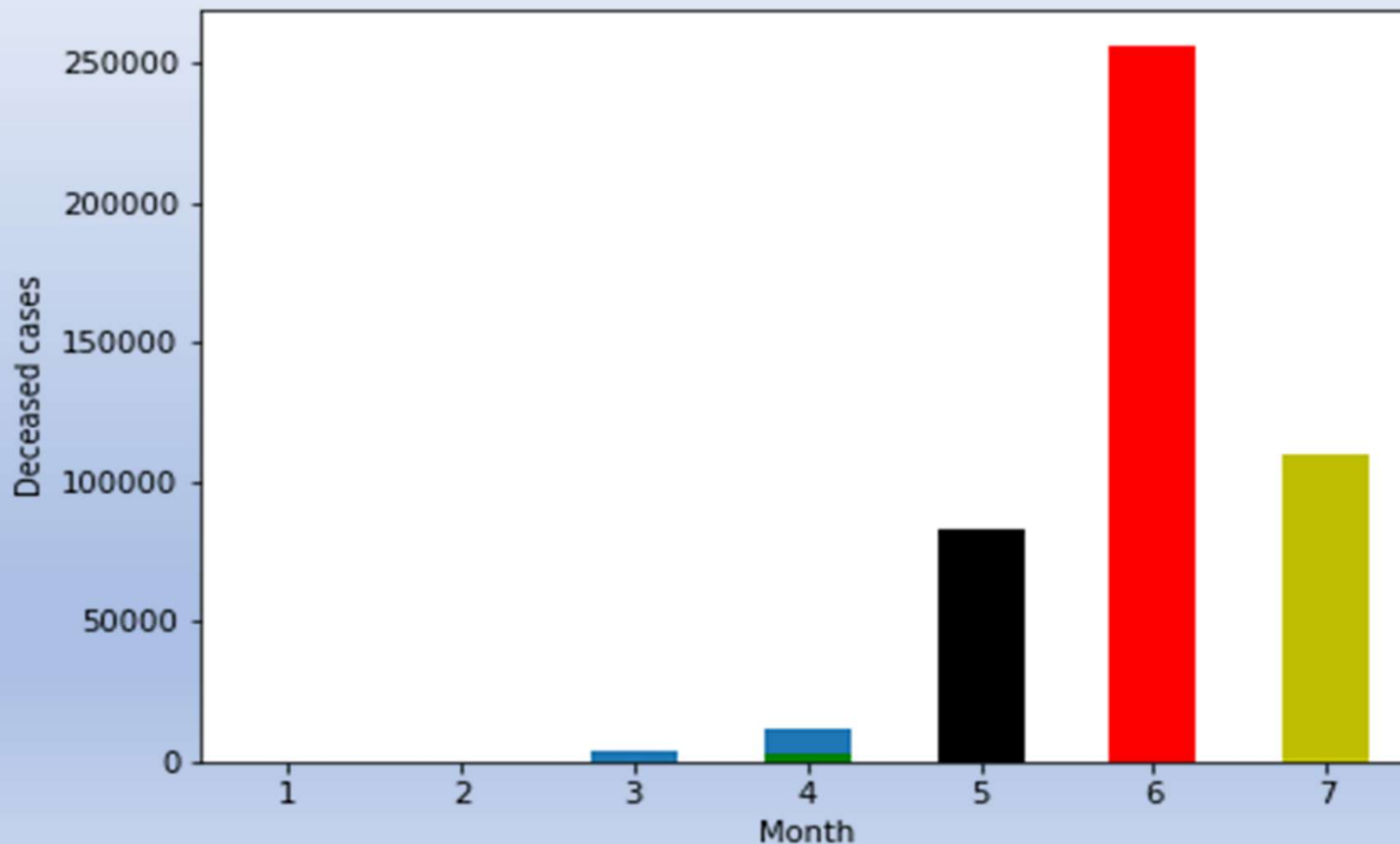
Hospitalized cases month wise: Most of the people got hospitalized during the June 2020 because the total cases have sharply risen during this month



Recovered cases month wise: Also , Most of the people got recovered during the month of June 2020 despite because the total cases have sharply risen during this month

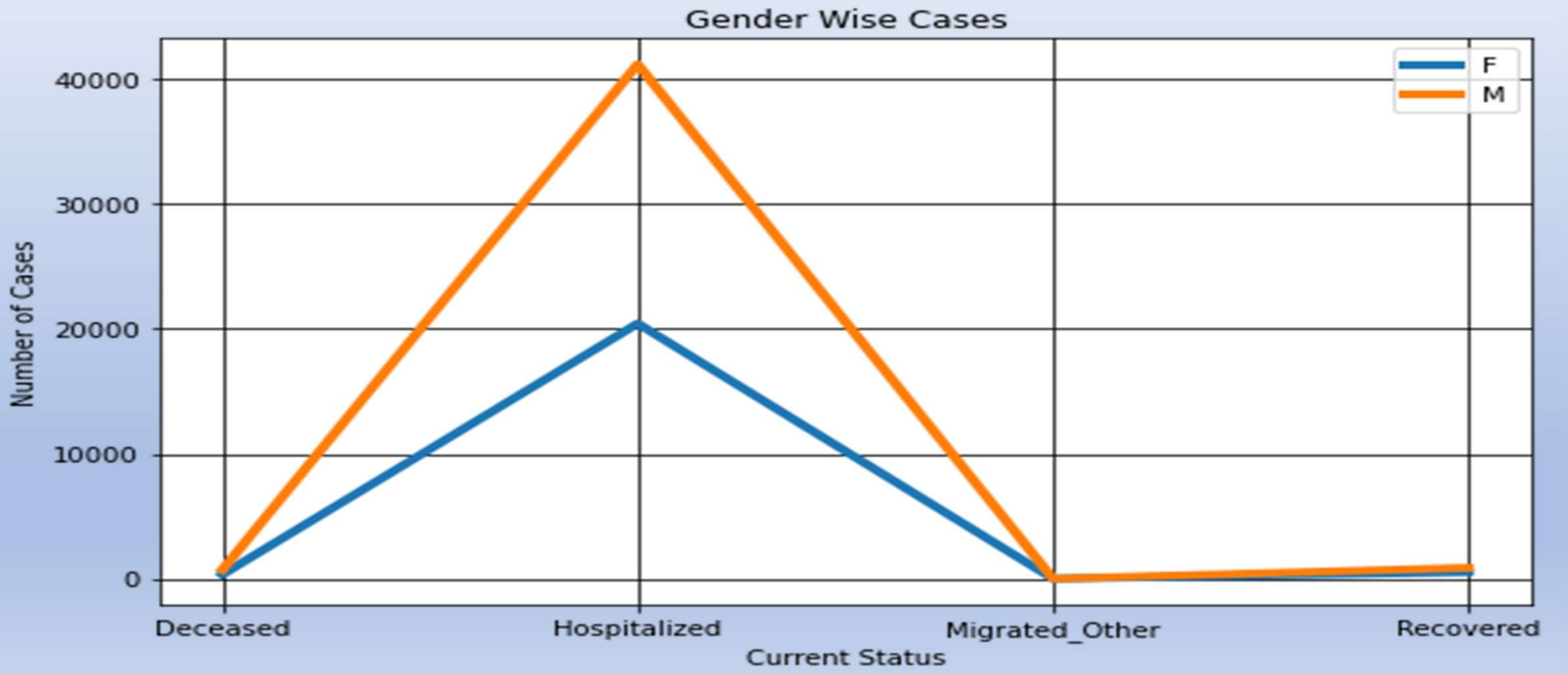


Deceased cases month wise: Also , Most of the deaths happened during the month of June despite high recovery rate , because most of the cases are detected during this month. **So we can conclude that Month of June having most recovered , deceased, and hospitalized cases**

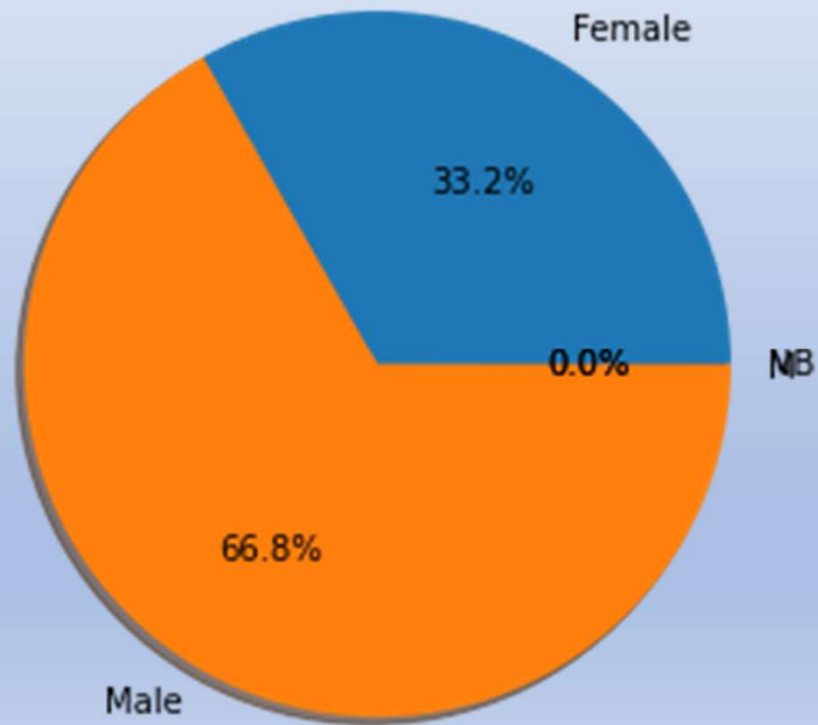


Month	Num Cases
3	23.0
4	295.0
5	4251.0
6	12004.0
7	3244.0

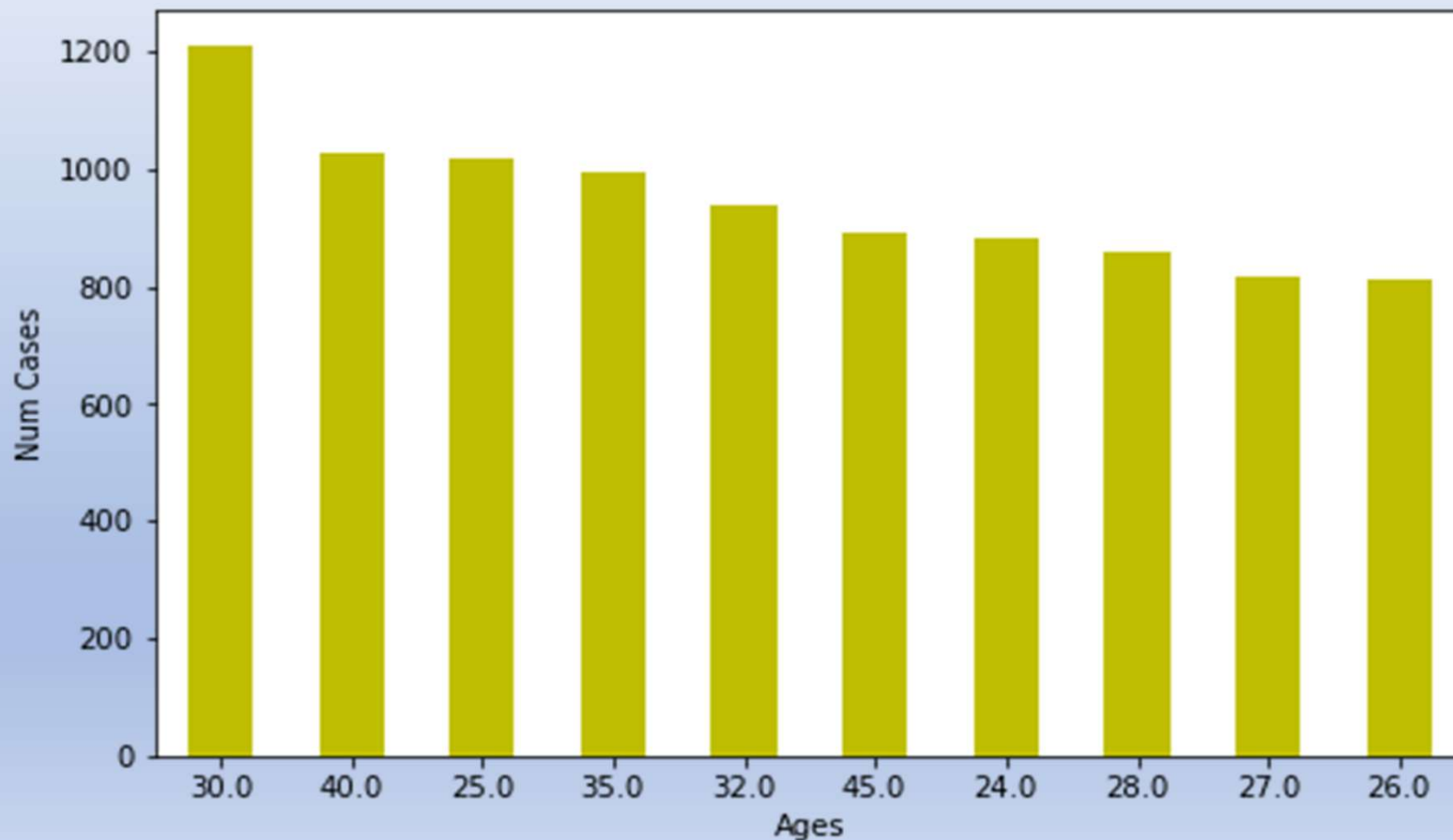
Gender Wise Cases – As you can see males are the most infected and also the most hospitalized compared to females. Non-Binary are very less infected.



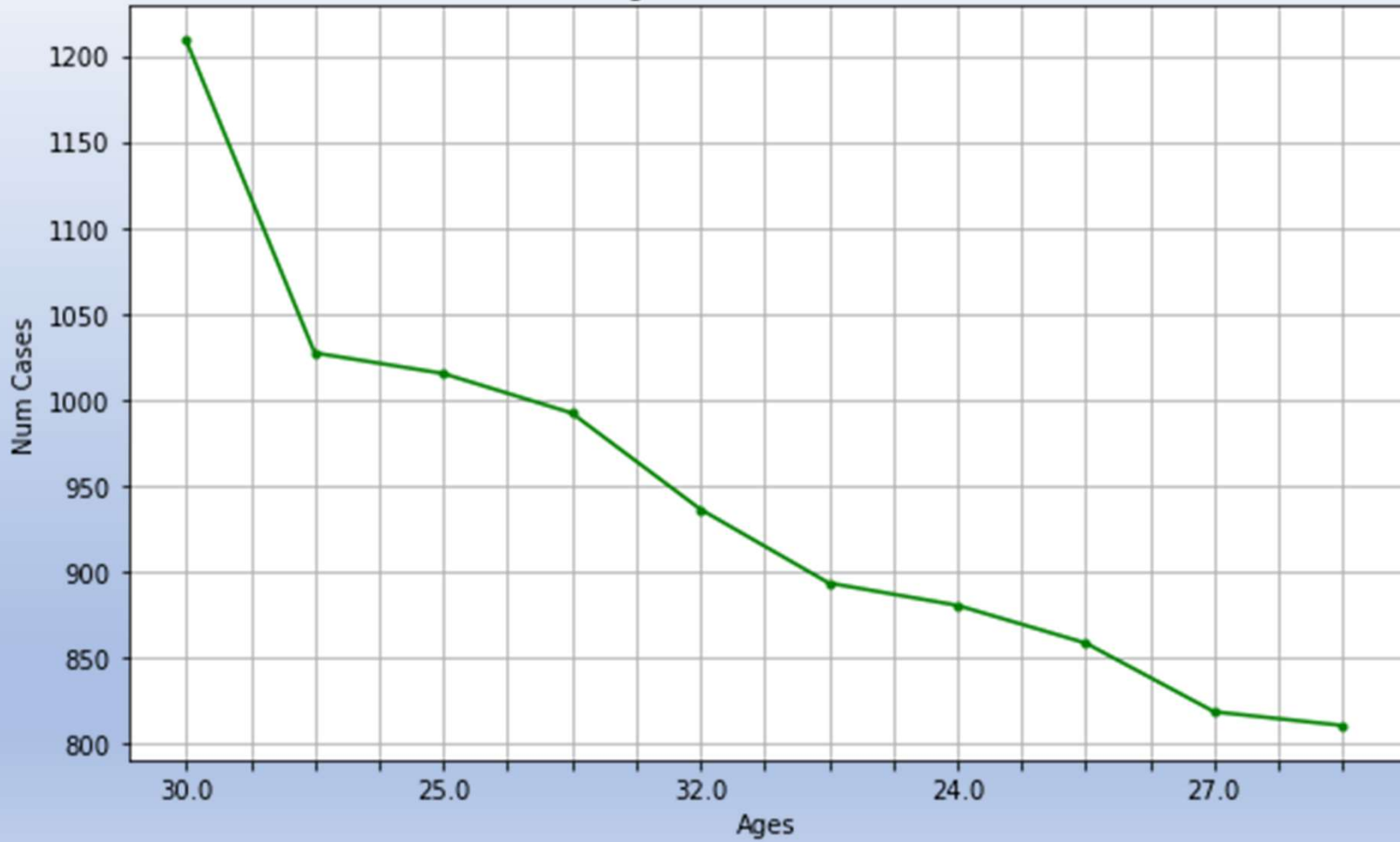
Gender Wise Cases



Age Wise Cases – As you can see people with age between 30 to 45 have highest Covid cases. These people are most vulnerable to Corona virus , hence these people must stay safe and follow covid rules.

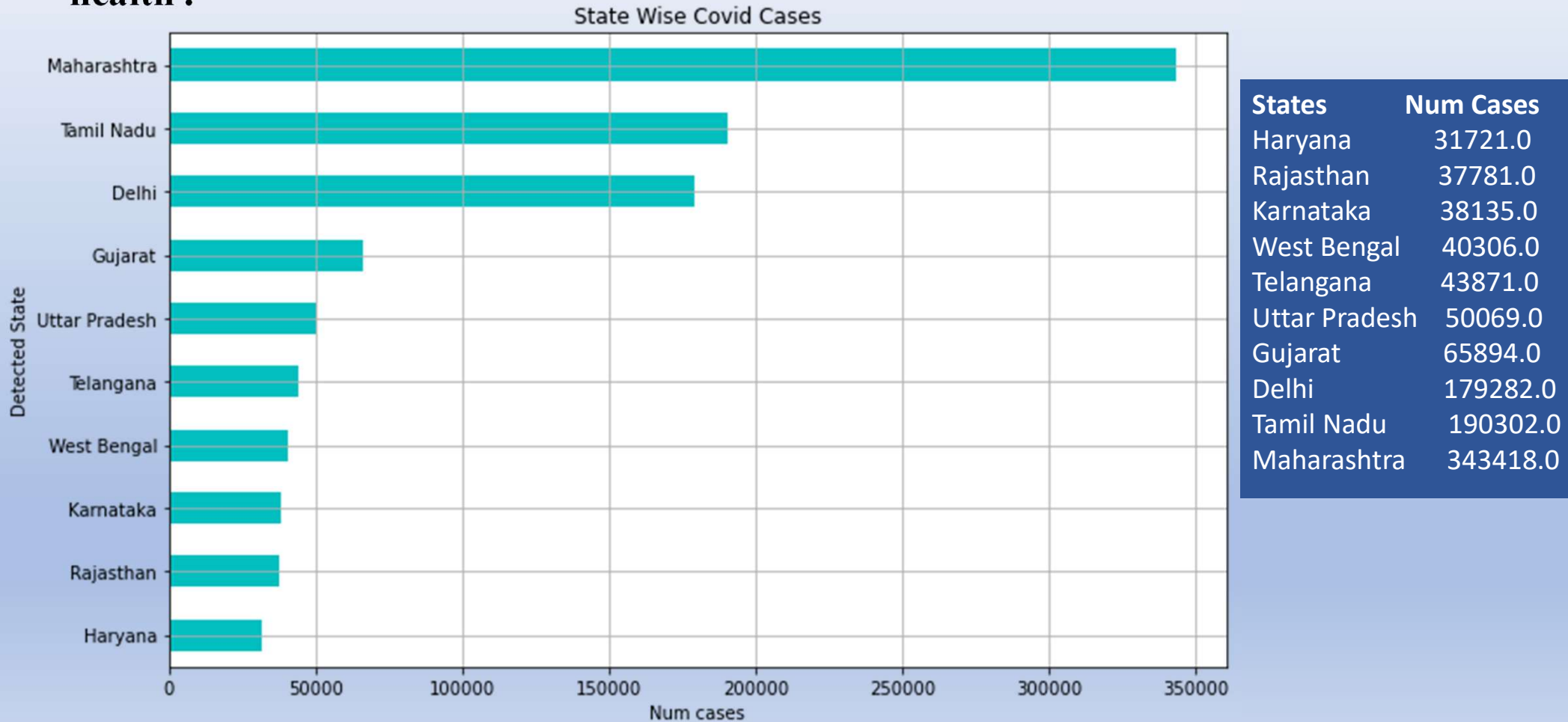


Age wise Covid Cases

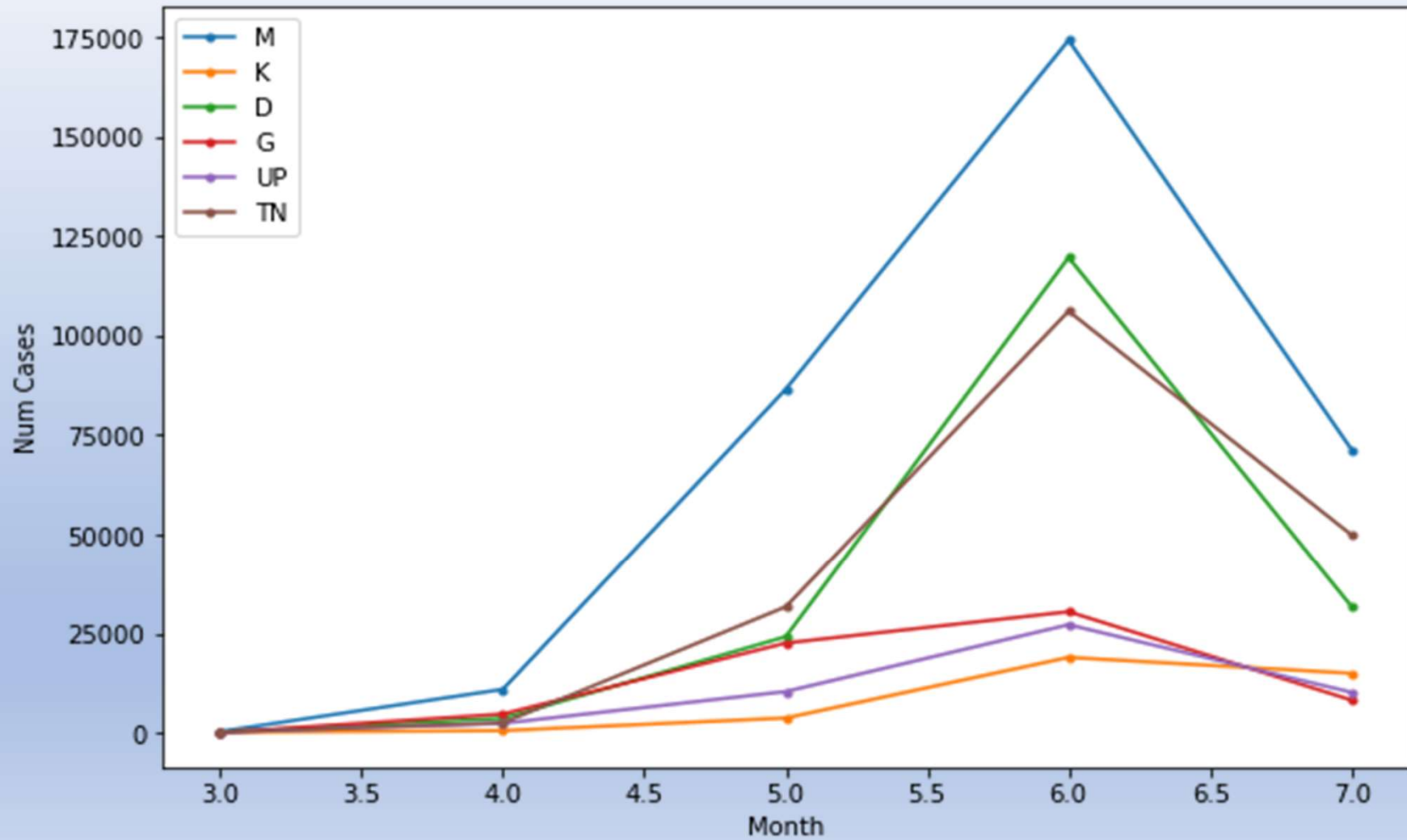


Ages	Num Cases
30.0	1209.0
40.0	1027.0
25.0	1015.0
35.0	992.0
32.0	936.0
45.0	893.0
24.0	880.0
28.0	858.0
27.0	818.0
26.0	810.0

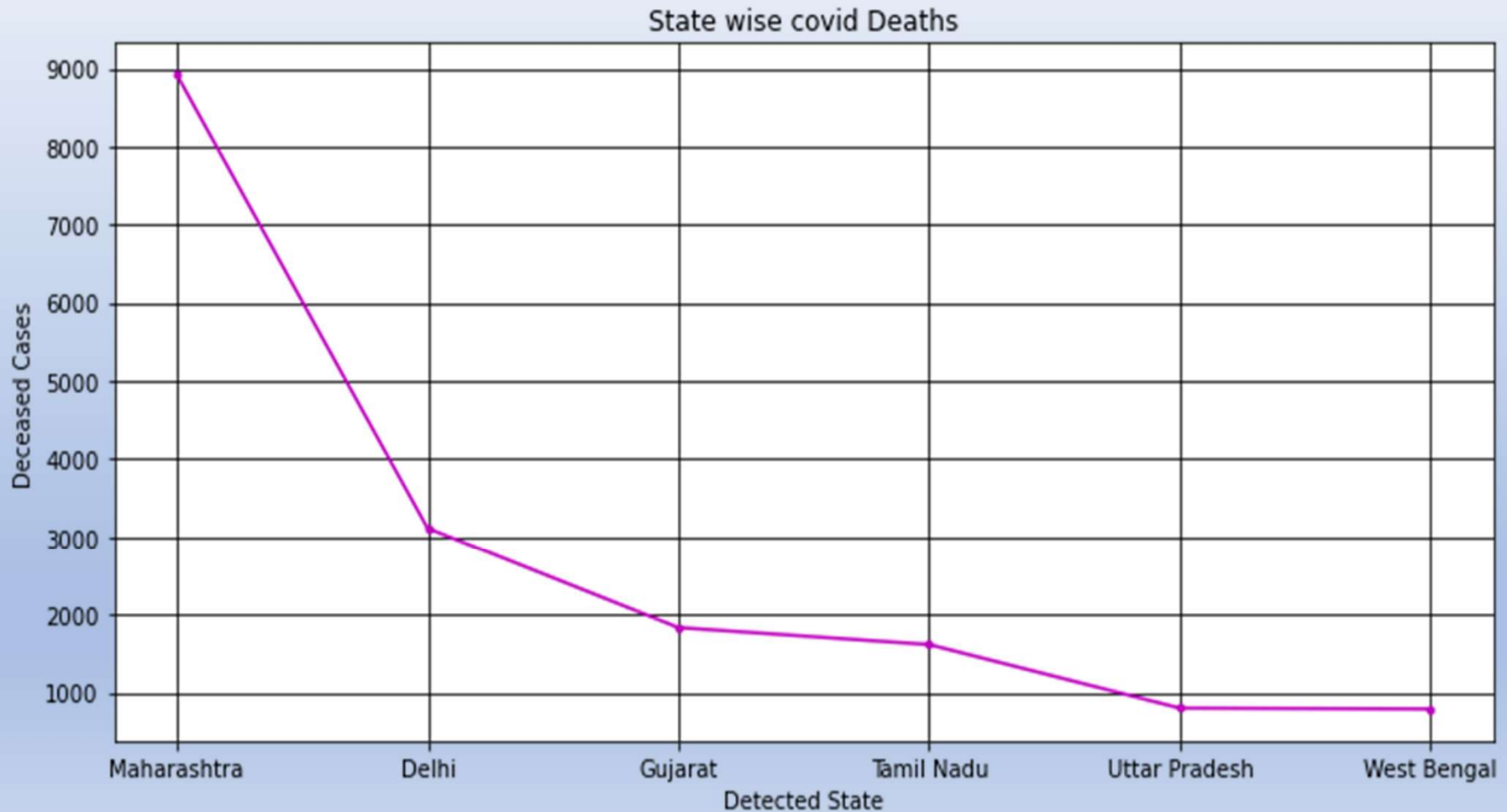
State Wise Cases – In this bar chart it displays the top 10 Covid affected states and it is clear that **Maharashtra** has the highest covid cases in India and Tamil Nadu at second , so these states need take appropriate covid measures to protect the public health .



State wise covid per month cases



State Wise Covid Deaths – So most covid deaths are in most affected state i.e Maharashtra , and second most deaths are in Delhi . So these are most affected states and most people have died from covid virus .



Thank You