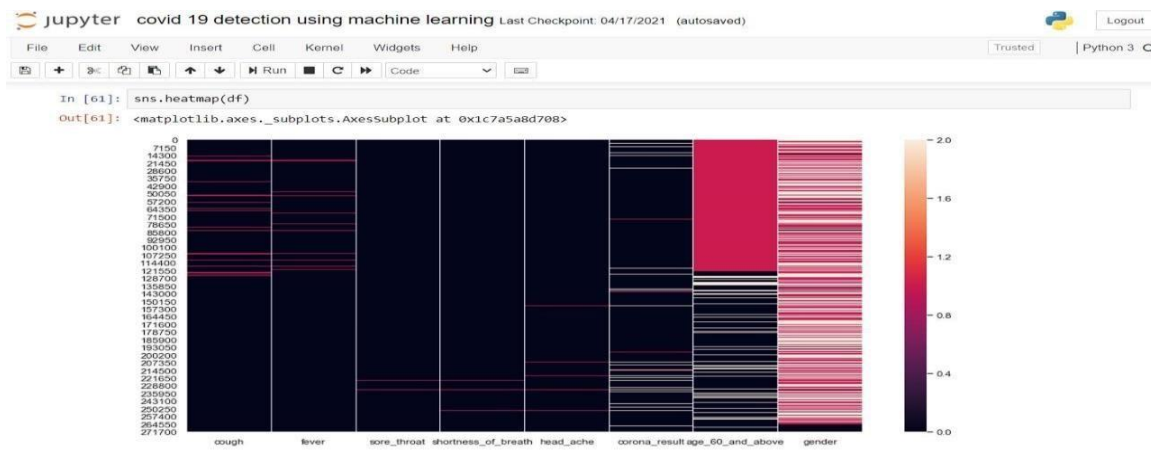


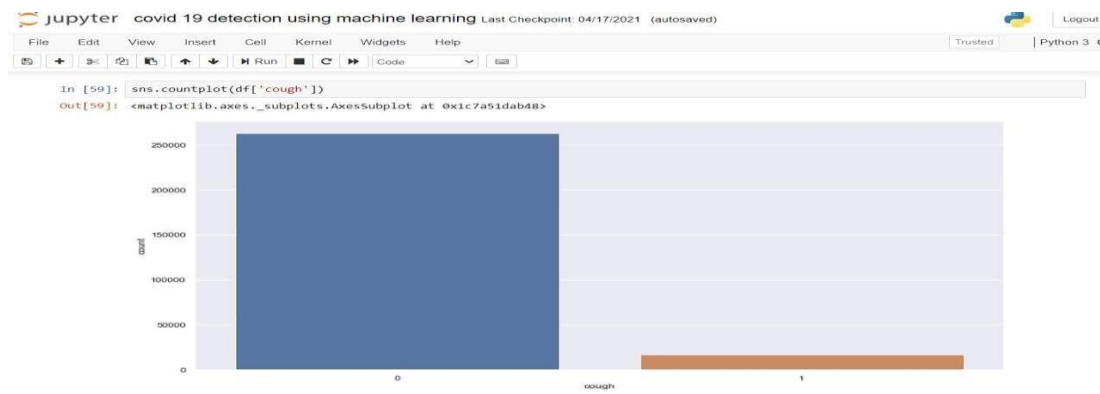
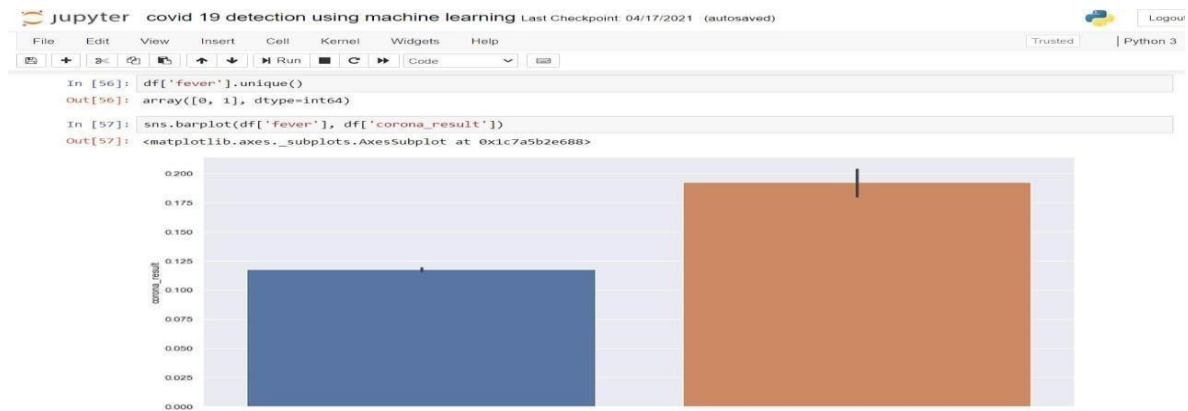
COVID-19 USING COGNOS

1.RESULTS

```
In [91]: res = clf.predict([[1,0,1,0,1,2,2]])
if res[0] == 0 :
    print('Negative')
else:
    print('Positive')
```

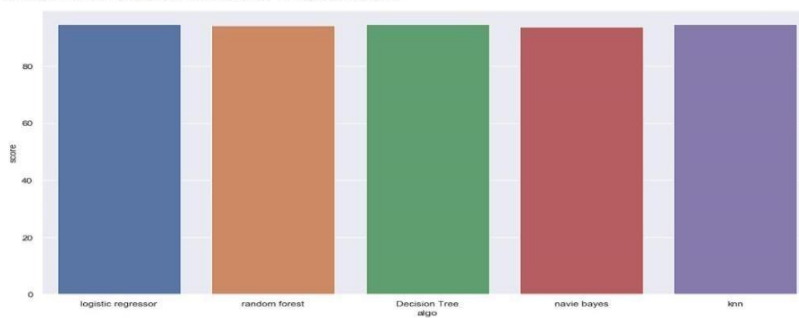
Positive





```
In [84]: import matplotlib.pyplot as plt
sns.set(rc={'figure.figsize':(15,8)})
plt.xlabel('algo')
plt.ylabel('score')
sns.barplot(algorithms,scores)

Out[84]: <matplotlib.axes._subplots.AxesSubplot at 0x1c7b2c46348>
```



The screenshots above show the code and results of the various phases of the Data

Analysis done by us on our Covid-19 dataset. The implementation of data analysis has been carried out by various algorithms based on their accuracy. When analysis was done by using various algorithms the most accurate results were yielded by the random forest classifier algorithm. We, while carrying out the analysis, took into consideration the major characteristic features like cough, fever, etc. which largely affect the result of whether the person is positive or negative based on these symptoms. In the later phases we were also able to determine whether the person was covid negative or positive based on his input data which is being taken by a small tkinter interface.

2.CONCLUSION

The Covid - 19 Pandemic is a huge struggle for all of us. The project we are making will seek to find the answers to the most pertinent questions as to what is it that makes the covid 19 such a tragedy and what all people are the ones who are most affected by it. It will seek to find the appropriate response which can be mounted by the authorities concerned and we can reach to a place of proper discussion about the problem and solve it in the best possible manner out there. It will also lead to a solution to any medical condition we might encounter later on in our lives where we can apply data sciences for medical diagnostics. This project saves on the already limited resources that India has and prevents the spread as people can use it to get an idea that they should go and get tested. It also helps unhealthy and infected people to isolate themselves. Using this system we can effectively and efficiently mitigate the burden on our healthcare system which is completely stressed out.