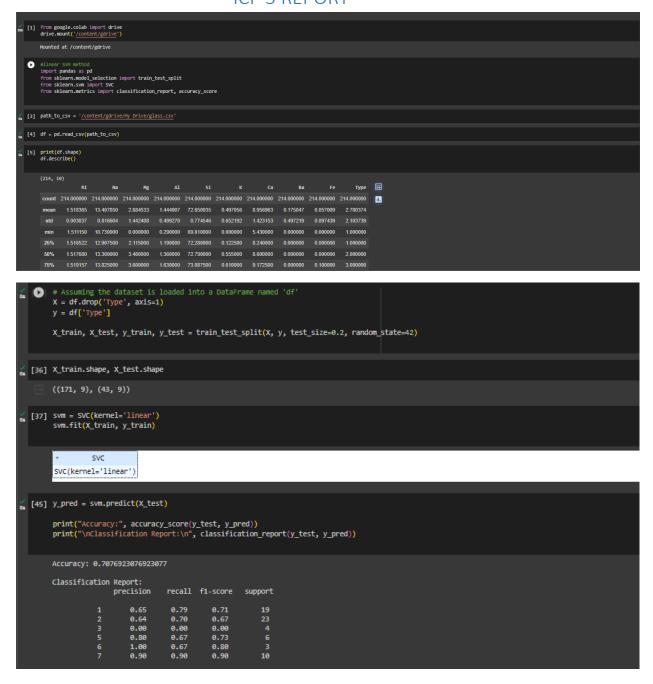
ICP 5 RFPORT



```
6 1.00 0.67 0.80 3 3
7 0.90 0.90 0.90 1.00

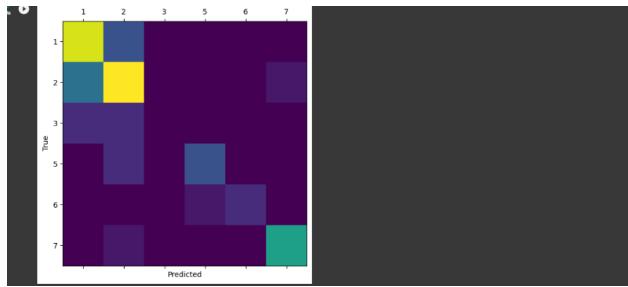
accuracy macro ang 0.67 0.62 0.63 65

//ssr/local/lib/python3.10/dist-packages/skleann/metrics/_classification.py:1344: UndefinedMetricismring: Precision and F-score are ill-defined and being set to 0.0 in labels with no predicted samples. Use 'z __warn_prf(average, modifier, mag_start, len(result))
//ssr/local/lib/python3.10/dist-packages/skleann/metrics/_classification.py:1344: UndefinedMetricismring: Precision and F-score are ill-defined and being set to 0.0 in labels with no predicted samples. Use 'z __warn_prf(average, modifier, mag_start, len(result))

//ssr/local/lib/python3.10/dist-packages/skleann/metrics/_classification.py:1344: UndefinedMetricismring: Precision and F-score are ill-defined and being set to 0.0 in labels with no predicted samples. Use 'z __warn_prf(average, modifier, mag_start, len(result))

// sample (average, modifier, mag_start, len(result))

// sample (average
```

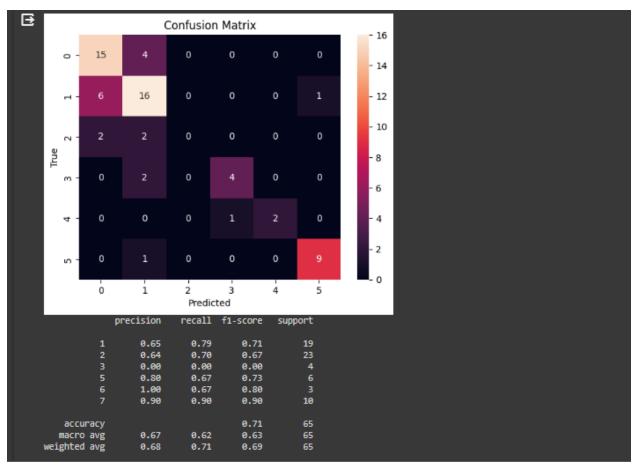




```
#visualisation for ANN
import matplotlib.pyplot as plt

# Plot confusion matrix
from sklearn.metrics import confusion_matrix
import seaborn as sns
cm = confusion_matrix(y_test, y_pred)
sns.heatmap(cm, annot=True, fint="d")
plt.title("confusion Matrix")
plt.xlabel("Predicted")
plt.ylabel("True")
plt.show()

# Plot classification report
from sklearn.metrics import classification_report
print(classification_report(y_test, y_pred))
```



```
[] #Which algorithm you got better accuracy? Can you justify why?
#as i got accuracy of ANN is more in between the ANN and SVM
#ANNS tend to perform better when there are complex, nonlinear relationships in the data
#that cannot be captured by linear models like SVMs. SVMs can work well on simpler, more linearly separable data.
```

GITHUB REPO LINK:- https://github.com/sxk7912/Bigdata

YOUTUBE LINK:- https://youtu.be/og4icxa8m24