Assignment BERT ML week2

Link : https://drive.google.com/drive/folders/1cIG21MX34fhLZxuDMAlVxdHLJqCCeRDn?usp=sharing

*Unable to Upload Zip as Zip size is 211MB

CNN for all bert Models

Bert Model :bert-base-uncased

```
Classification Report for Best Model:
              precision    recall  f1-score   support

           0       0.91      0.95      0.93       564
           1       0.94      0.90      0.92       496

    accuracy                           0.93      1060
   macro avg       0.93      0.92      0.93      1060
weighted avg       0.93      0.93      0.93      1060
```

Bert Model :bert-base-cased

```
Classification Report for Best Model:
              precision    recall  f1-score   support

           0       0.90      0.91      0.90       564
           1       0.90      0.88      0.89       496

    accuracy                           0.90      1060
   macro avg       0.90      0.89      0.89      1060
weighted avg       0.90      0.90      0.90      1060
```

Bert Model : covid-twitter-bert

```
Classification Report for Best Model:
              precision    recall  f1-score   support

           0       0.95      0.95      0.95       564
           1       0.95      0.94      0.94       496

    accuracy                           0.95      1060
   macro avg       0.95      0.95      0.95      1060
weighted avg       0.95      0.95      0.95      1060
```

Bert Model : twhin-bert-base

```
Classification Report for Best Model:
              precision    recall  f1-score   support

           0       0.93      0.92      0.92       564
           1       0.91      0.92      0.91       496

    accuracy                           0.92      1060
   macro avg       0.92      0.92      0.92      1060
weighted avg       0.92      0.92      0.92      1060
```

Bert Model : socbert

```
Classification Report for Best Model:
              precision    recall  f1-score   support

           0       0.92      0.95      0.93       564
           1       0.94      0.90      0.92       496

    accuracy                           0.93      1060
   macro avg       0.93      0.92      0.92      1060
weighted avg       0.93      0.93      0.93      1060
```

DNN for all bert Models

Bert Model :bert-base-uncased

```
Classification Report for Best Model:
              precision    recall  f1-score   support

           0       0.95      0.92      0.93       564
           1       0.91      0.94      0.93       496

    accuracy                           0.93      1060
   macro avg       0.93      0.93      0.93      1060
weighted avg       0.93      0.93      0.93      1060
```

Bert Model :bert-base-cased

```
Classification Report for Best Model:
              precision    recall  f1-score   support

           0       0.91      0.91      0.91       564
           1       0.90      0.90      0.90       496

    accuracy                           0.91      1060
   macro avg       0.91      0.91      0.91      1060
weighted avg       0.91      0.91      0.91      1060
```

Bert Model : covid-twitter-bert

```
Classification Report for Best Model:
              precision    recall  f1-score   support

           0       0.95      0.96      0.96       564
           1       0.95      0.95      0.95       496

    accuracy                           0.95      1060
   macro avg       0.95      0.95      0.95      1060
weighted avg       0.95      0.95      0.95      1060
```

Bert Model : twhin-bert-base

```
Classification Report for Best Model:
              precision    recall  f1-score   support

           0       0.94      0.90      0.92       564
           1       0.89      0.93      0.91       496

    accuracy                           0.92      1060
   macro avg       0.92      0.92      0.92      1060
weighted avg       0.92      0.92      0.92      1060
```

Bert Model : socbert

```
Classification Report for Best Model:
              precision    recall  f1-score   support

           0       0.91      0.95      0.93       564
           1       0.93      0.89      0.91       496

    accuracy                           0.92      1060
   macro avg       0.92      0.92      0.92      1060
weighted avg       0.92      0.92      0.92      1060
```