

- distilBERT

- Without incorporating the additional data
- Trying to incorporate the additional data as appended text to see if that will make any improvements
 - Results:

| | |
|----------------|-------|
| eval_accuracy | 0.288 |
| eval_precision | 0.294 |
| eval_recall | 0.288 |
| eval_loss | 1.813 |

```
[65, 23, 32, 25, 32, 15]
[29, 69, 55, 31, 38, 3]
[25, 48, 63, 29, 20, 0]
[23, 26, 54, 39, 18, 4]
[34, 47, 31, 16, 42, 5]
[31, 7, 11, 3, 16, 18]
```

- Next:
 - Try making binary instead by combining labels together
 - Perhaps experiment with also including 'partly true' as true
 - First epoch confusion matrix:

```
[599, 79],
[251, 98]
```

- Second epoch confusion matrix:

```
[602, 76],
[255, 94]
```

- Third

```
[502, 176],
[188, 161]
```

- Results

```
'eval_loss': 0.8914749026298523,
'eval_accuracy': 0.6455696202531646,
'eval_f1': 0.6440241652956986,
'eval_precision': 0.6426509278508775,
'eval_recall': 0.6455696202531646,
'eval_roc_auc': 0.6008655154634818,
'epoch': 3.0
```

| | |
|----------------|-------|
| eval_accuracy | 0.646 |
| eval_precision | 0.643 |
| eval_recall | 0.646 |

| | |
|-----------|-------|
| eval_loss | 0.891 |
|-----------|-------|

- Ran for 7 epochs to see if it would help but it only raised accuracy up to 65%

- Confusion matrices for each epoch:

[672, 6] [614, 64] [526, 152] [421, 257] [510, 168] [505, 173] [499, 179]

[341, 8] [267, 82] [202, 147] [127, 222] [190, 159] [187, 162] [180, 169]

[499, 179]

[180, 169]

'eval_loss': 2.5937318801879883

'eval_accuracy': 0.6504381694255112

'eval_f1': 0.6503162072060301

'eval_precision': 0.650195450742864

'eval_recall': 0.6504381694255112

'eval_roc_auc': 0.6101144441345268