

Only Natural Data, for both Train and Test

Best results (5,1,1)

```
For Ngram : 1
-- For threshold 0 : 0.5652173913043478
-- For threshold 1 : 0.5217391304347826
-- For threshold 2 : 0.5652173913043478
-- For threshold 3 : 0.4782608695652174
-- For threshold 4 : 0.6086956521739131
-- For threshold 5 : 0.6956521739130435
-- For threshold 6 : 0.6521739130434783
```

```
For Ngram : 2
-- For threshold 0 : 0.4782608695652174
-- For threshold 1 : 0.6086956521739131
-- For threshold 2 : 0.4782608695652174
-- For threshold 3 : 0.4782608695652174
-- For threshold 4 : 0.21739130434782608
-- For threshold 5 : 0.13043478260869565
-- For threshold 6 : 0.08695652173913043
```

```
For Ngram : 3
-- For threshold 0 : 0.17391304347826086
-- For threshold 1 : 0.30434782608695654
-- For threshold 2 : 0.08695652173913043
-- For threshold 3 : 0.08695652173913043
-- For threshold 4 : 0.08695652173913043
-- For threshold 5 : 0.08695652173913043
-- For threshold 6 : 0.08695652173913043
```

Uni- Accuracy: 0.6956521739130435
Combo Accuracy: 0.8260869565217391

Only Synthetic Data, for both Train and Test

Best Result (2, 4, 2)

```
For Ngram : 1
-- For threshold 0 : 0.782608695652174
-- For threshold 1 : 0.6521739130434783
-- For threshold 2 : 0.782608695652174
-- For threshold 3 : 0.7391304347826086
-- For threshold 4 : 0.782608695652174
-- For threshold 5 : 0.7391304347826086
-- For threshold 6 : 0.6956521739130435
```

```
For Ngram : 2
-- For threshold 0 : 0.782608695652174
-- For threshold 1 : 0.782608695652174
-- For threshold 2 : 0.8260869565217391
-- For threshold 3 : 0.9130434782608695
-- For threshold 4 : 0.9565217391304348
-- For threshold 5 : 0.8695652173913043
-- For threshold 6 : 0.6521739130434783
```

```
For Ngram : 3
-- For threshold 0 : 0.6956521739130435
-- For threshold 1 : 0.6521739130434783
-- For threshold 2 : 0.7391304347826086
-- For threshold 3 : 0.6956521739130435
-- For threshold 4 : 0.6086956521739131
-- For threshold 5 : 0.30434782608695654
-- For threshold 6 : 0.13043478260869565
```

Uni- Accuracy: 0.782608695652174

Combo Accuracy: 0.8695652173913043

MIXED DATA : SYNTH + NAT , for both train/test

Best Result(2, 1, 1)

```
Ngram : 1
--Threshold 0 : Accuracy = 0.6304347826086957
--Threshold 1 : Accuracy = 0.6521739130434783
--Threshold 2 : Accuracy = 0.717391304347826
--Threshold 3 : Accuracy = 0.717391304347826
--Threshold 4 : Accuracy = 0.5
```

```
Ngram : 2
--Threshold 0 : Accuracy = 0.782608695652174
--Threshold 1 : Accuracy = 0.8478260869565217
--Threshold 2 : Accuracy = 0.8043478260869565
--Threshold 3 : Accuracy = 0.7391304347826086
--Threshold 4 : Accuracy = 0.7391304347826086
```

```
Ngram : 3
--Threshold 0 : Accuracy = 0.5652173913043478
--Threshold 1 : Accuracy = 0.5869565217391305
--Threshold 2 : Accuracy = 0.43478260869565216
--Threshold 3 : Accuracy = 0.43478260869565216
--Threshold 4 : Accuracy = 0.3695652173913043
```

```
Uni- Accuracy: 0.717391304347826
Combo Accuracy: 0.8478260869565217
```

MIXED DATA : SYNTH + NAT , tested with NAT

Best Result(2, 1, 1)

Ngram : 1

--Threshold 0 : Accuracy = 0.391304347826087
--Threshold 1 : Accuracy = 0.5217391304347826
--Threshold 2 : Accuracy = 0.6086956521739131
--Threshold 3 : Accuracy = 0.5652173913043478
--Threshold 4 : Accuracy = 0.391304347826087

Ngram : 2

--Threshold 0 : Accuracy = 0.6086956521739131
--Threshold 1 : Accuracy = 0.782608695652174
--Threshold 2 : Accuracy = 0.7391304347826086
--Threshold 3 : Accuracy = 0.6086956521739131
--Threshold 4 : Accuracy = 0.6086956521739131

Ngram : 3

--Threshold 0 : Accuracy = 0.30434782608695654
--Threshold 1 : Accuracy = 0.5217391304347826
--Threshold 2 : Accuracy = 0.21739130434782608
--Threshold 3 : Accuracy = 0.17391304347826086
--Threshold 4 : Accuracy = 0.17391304347826086

Uni- Accuracy: 0.6086956521739131
Combo Accuracy: 0.782608695652174

MIXED DATA : SYNTH + NAT , tested with SYNTH

Best Result(0, 0/2, 0)

Ngram : 1

--Threshold 0 : Accuracy = 0.8695652173913043
--Threshold 1 : Accuracy = 0.8260869565217391
--Threshold 2 : Accuracy = 0.8260869565217391
--Threshold 3 : Accuracy = 0.8260869565217391
--Threshold 4 : Accuracy = 0.6521739130434783

(0,0,0)

Ngram : 2

--Threshold 0 : Accuracy = 0.9130434782608695
--Threshold 1 : Accuracy = 0.8695652173913043
--Threshold 2 : Accuracy = 0.9130434782608695
--Threshold 3 : Accuracy = 0.8695652173913043
--Threshold 4 : Accuracy = 0.8695652173913043

Uni- Accuracy: 0.8695652173913043
Combo Accuracy: 0.9130434782608695

(0,2,0)

Ngram : 3

--Threshold 0 : Accuracy = 0.782608695652174
--Threshold 1 : Accuracy = 0.6956521739130435
--Threshold 2 : Accuracy = 0.7391304347826086
--Threshold 3 : Accuracy = 0.6956521739130435
--Threshold 4 : Accuracy = 0.6086956521739131

Uni- Accuracy: 0.8695652173913043
Combo Accuracy: 0.9565217391304348