**WINDOW LEVEL:**

* **BALANCED:**

1. **BALANCED BACKBONE:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Fold | Recall\_0 | Recall\_1 | Precision\_0 | Precision\_1 | F1\_0 | F1\_1 | Accuracy |
| 1 | 0.29 | 0.98 | 0.93 | 0.57 | 0.45 | 0.72 | 0.6274 |
| 2 | 0.36 | 0.98 | 0.95 | 0.57 | 0.52 | 0.72 | 0.6442 |
| 3 | 0.68 | 0.66 | 0.67 | 0.67 | 0.67 | 0.67 | 0.6697 |
| 4 | 0.86 | 0.30 | 0.50 | 0.72 | 0.63 | 0.42 | 0.5506 |
| 5 | 0.31 | 0.95 | 0.86 | 0.58 | 0.46 | 0.72 | 0.6323 |
| Mean ± std | 0.5 ± 0.26 | 0.77 ± 0.29 | 0.78 ± 0.19 | 0.622 ± 0.0691 | 0.546 ± 0.0996 | 0.65 ± 0.1304 | 0.625 ± 0.0446 |

Fold 1 Confusion Matrix:

[[ 5090 12272]

[ 366 16186]]

Fold 2 Confusion Matrix:

[[ 6585 11744]

[ 322 15262]]

Fold 3 Confusion Matrix:

[[11492 5462]

[ 5740 11219]]

Fold 4 Confusion Matrix:

[[13153 2176]

[13063 5521]]

Fold 5 Confusion Matrix:

[[ 5207 11602]

[ 869 16235]]

* **UNBALANCED:**

1. **UNBALANCED BACKBONE:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Fold | Recall\_0 | Recall\_1 | Precision\_0 | Precision\_1 | F1\_0 | F1\_1 | Accuracy |
| 1 | 0.99 | 0.19 | 0.88 | 0.83 | 0.94 | 0.31 | 0.8813 |
| 2 | 0.99 | 0.31 | 0.90 | 0.79 | 0.94 | 0.45 | 0.8923 |
| 3 | 1.00 | 0.04 | 0.80 | 0.68 | 0.89 | 0.08 | 0.7977 |
| 4 | 1.00 | 0.02 | 0.84 | 0.78 | 0.91 | 0.04 | 0.8349 |
| 5 | 0.72 | 0.70 | 0.96 | 0.22 | 0.82 | 0.34 | 0.7216 |
| Mean ± std | 0.94 ± 0.12 | 0.25 ± 0.28 | 0.88 ± 0.06 | 0.66 ± 0.25 | 0.90 ± 0.05 | 0.24 ± 0.18 | 0.83 ± 0.07 |

Fold 1 Confusion Matrix:

[[53795 349]

[ 7116 1652]]

Fold 2 Confusion Matrix:

[[53380 727]

[ 6049 2756]]

Fold 3 Confusion Matrix:

[[49658 246]

[12480 528]]

Fold 4 Confusion Matrix:

[[52310 63]

[10322 217]]

Fold 5 Confusion Matrix:

[[40879 15593]

[ 1922 4517]]

1. **UNBALANCED FLATTEN:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Fold | Recall\_0 | Recall\_1 | Precision\_0 | Precision\_1 | F1\_0 | F1\_1 | Accuracy |
| 1 | 0.92 | 0.39 | 0.90 | 0.45 | 0.91 | 0.42 | 0.8482 |
| 2 | 0.90 | 0.36 | 0.90 | 0.38 | 0.90 | 0.37 | 0.8264 |
| 3 | 0.93 | 0.34 | 0.84 | 0.57 | 0.89 | 0.43 | 0.8093 |
| 4 | 0.95 | 0.35 | 0.88 | 0.58 | 0.91 | 0.44 | 0.8480 |
| 5 | 0.96 | 0.18 | 0.91 | 0.36 | 0.94 | 0.24 | 0.8817 |
| Mean ± std | 0.93 ± 0.02 | 0.32 ± 0.08 | 0.89 ± 0.03 | 0.47 ± 0.10 | 0.91 ± 0.02 | 0.38 ± 0.08 | 0.84 ± 0.03 |

Fold 1 Confusion Matrix:

[[49950 4100]

[ 5447 3415]]

Fold 2 Confusion Matrix:

[[48749 5214]

[ 5709 3240]]

Fold 3 Confusion Matrix:

[[46444 3433]

[ 8567 4468]]

Fold 4 Confusion Matrix:

[[49599 2748]

[ 6816 3749]]

Fold 5 Confusion Matrix:

[[54274 2145]

[ 5297 1195]]

**PATIENT LEVEL:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Fold | Recall\_0 | Recall\_1 | Precision\_0 | Precision\_1 | F1\_0 | F1\_1 | Accuracy |
| 1 | 0.54 | 1.00 | 1.00 | 0.68 | 0.70 | 0.81 | 0.7681 |
| 2 | 0.11 | 0.90 | 0.52 | 0.50 | 0.18 | 0.64 | 0.5041 |
| 3 | 0.59 | 0.74 | 0.70 | 0.65 | 0.64 | 0.69 | 0.6691 |
| 4 | 0.72 | 0.94 | 0.92 | 0.77 | 0.81 | 0.85 | 0.8297 |
| 5 | 0.17 | 0.86 | 0.55 | 0.51 | 0.26 | 0.64 | 0.5155 |
| Mean ± std | 0.43 ± 0.27 | 0.89 ± 0.10 | 0.74 ± 0.22 | 0.62 ± 0.12 | 0.52 ± 0.28 | 0.73 ± 0.10 | 0.66 ± 0.15 |

Fold 1 Confusion Matrix:

[[1866 1614]

[ 0 3480]]

Fold 2 Confusion Matrix:

[[ 379 3061]

[ 351 3089]]

Fold 3 Confusion Matrix:

[[1359 929]

[ 585 1703]]

Fold 4 Confusion Matrix:

[[1677 643]

[ 147 2173]]

Fold 5 Confusion Matrix:

[[ 675 3285]

[ 552 3408]]