In the name of GOD the companionate the merciful

**ALAD + dxxzz**

Arrhythmia

seeds : [29 9 7 0 8 24 4 3 18 1]

|  |  |  |  |
| --- | --- | --- | --- |
|  | Precision | Recall | F1 score |
| L1 | 0.34410.0537 | 0.36560.0571 | 0.35450.0554 |
| L2 | 0.33520.0503 | 0.35620.0535 | 0.34540.0519 |
| Logits (Dxx) | 0.49350.130807 | 0.60930.1445 | 0.51870.1047 |
| Features\_xx | 0.34700.0781 | 0.36870.0830 | 0.35750.0805 |
| All\_Logits (Dxx + Dzz + Dxxzz) | 0.53230.0426 | 0.56560.0452 | 0.54840.0439 |
| Features\_xxzz | 0.35580.0527 | 0.37810.0559 | 0.36660.0543 |
| Alpha\_beta | 0.51760.0420 | 0.55000.0446 | 0.53330.0433 |

KDD99

|  |  |  |  |
| --- | --- | --- | --- |
|  | Precision | Recall | F1 score |
| L1 |  |  |  |
| L2 |  |  |  |
| Logits (Dxx) |  |  |  |
| Features\_xx |  |  |  |
| All\_Logits (Dxx + Dzz + Dxxzz) |  |  |  |
| Features\_xxzz |  |  |  |
| Alpha\_beta |  |  |  |

SVHN

|  |  |
| --- | --- |
|  | AUROC |
| L1 |  |
| L2 |  |
| Logits (Dxx) |  |
| Features\_xx |  |
| All\_Logits (Dxx + Dzz + Dxxzz) |  |
| Features\_xxzz |  |
| Alpha\_beta |  |

Cifar10

|  |  |
| --- | --- |
|  | AUROC |
| L1 |  |
| L2 |  |
| Logits (Dxx) |  |
| Features\_xx |  |
| All\_Logits (Dxx + Dzz + Dxxzz) |  |
| Features\_xxzz |  |
| Alpha\_beta |  |

**Simple ALAD**

Arrhythmia

|  |  |  |  |
| --- | --- | --- | --- |
|  | Precision | Recall | F1 score |
| L1 |  |  |  |
| L2 |  |  |  |
| Logits (Dxx) |  |  |  |
| Features\_xx |  |  |  |
| All\_Logits (Dxx + Dzz + Dxxzz) |  |  |  |
| Features\_xxzz |  |  |  |
| Alpha\_beta |  |  |  |

KDD99

|  |  |  |  |
| --- | --- | --- | --- |
|  | Precision | Recall | F1 score |
| L1 |  |  |  |
| L2 |  |  |  |
| Logits (Dxx) |  |  |  |
| Features\_xx |  |  |  |
| All\_Logits (Dxx + Dzz + Dxxzz) |  |  |  |
| Features\_xxzz |  |  |  |
| Alpha\_beta |  |  |  |

SVHN

|  |  |
| --- | --- |
|  | AUROC |
| L1 |  |
| L2 |  |
| Logits (Dxx) |  |
| Features\_xx |  |
| All\_Logits (Dxx + Dzz + Dxxzz) |  |
| Features\_xxzz |  |
| Alpha\_beta |  |

Cifar10

|  |  |
| --- | --- |
|  | AUROC |
| L1 |  |
| L2 |  |
| Logits (Dxx) |  |
| Features\_xx |  |
| All\_Logits (Dxx + Dzz + Dxxzz) |  |
| Features\_xxzz |  |
| Alpha\_beta |  |