表 1 LSTM\_EDA\_五折交叉验证

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 类型 | 划分 | 训练集准确率 | 验证集准确率 | 轮次 | 平均准确率 |
| PPG300 | 1 | 0.8148 | 0.5869 |  | 0.9304 |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |
| 5 |  |  |  |

表 1 LSTM\_EDA\_五折交叉验证

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 类型 | 划分 | 训练集准确率 | 轮次 | 1类精度 | 2类精度 | 3类精度 | 准确率 | 五次验证平均准确率 |
| EDA300 | 1 | 0.7858 | 2100 | 0.59 | 0.56 | 0.63 | 0.5960 | 0.5960 |

表 1 CNN\_EDA\_五折交叉验证

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 类型 | 划分 | 训练集  准确率 | 轮次 | 验证集  1类精度 | 验证集  2类精度 | 验证集  3类精度 | 验证集  准确率 | 五次验证  平均准确率 |
| EDA300 | 1 | 0.9706 | 500 | 0.7387 | 0.6425 | 0.7356 | 0.7065 | 0.7243 |
| 2 | 0.9764 | 500 | 0.7574 | 0.6972 | 0.7163 | 0.7264 |
| 3 | 0.9778 | 500 | 0.7685 | 0.7167 | 0.6864 | 0.7264 |
| 4 | 0.9769 | 500 | 0.7474 | 0.7032 | 0.7685 | 0.7428 |
| 5 | 0.9746 | 500 | 0.7215 | 0.6731 | 0.7571 | 0.7192 |

训练集2208×(1,1200)，验证集552×(1,1200)

表 1 CNN\_PPG\_五折交叉验证

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 类型 | 划分 | 训练集  准确率 | 轮次 | 验证集  1类精度 | 验证集  2类精度 | 验证集  3类精度 | 验证集  准确率 | 五次验证  平均准确率 |
| PPG300 | 1 | 0.9855 | 400 | 0.9700 | 0.9006 | 0.9392 | 0.9384 | 0.9333 |
| 2 | 0.9900 | 400 | 0.9471 | 0.8896 | 0.9448 | 0.9293 |
| 3 | 0.9864 | 400 | 0.9214 | 0.9286 | 0.9548 | 0.9330 |
| 4 | 0.9814 | 400 | 0.9381 | 0.8364 | 0.9564 | 0.9130 |
| 5 | 0.9873 | 400 | 0.9703 | 0.9167 | 0.9706 | 0.9529 |

训练集2208×(1,19200)，验证集552×(1,19200)（压缩后为1200）

表 1 CNN\_PPG+EDA融合\_五折交叉验证

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 类型 | 划分 | 训练集  准确率 | 轮次 | 验证集  1类精度 | 验证集  2类精度 | 验证集  3类精度 | 验证集  准确率 | 五次验证  平均准确率 |
| PPG300  +  EDA300 | 1 | 0.9801 | 300 | 0.9619 | 0.9345 | 0.9885 | 0.9620 | 0.9583 |
| 2 | 0.9846 | 300 | 0.9650 | 0.9006 | 0.9424 | 0.9384 |
| 3 | 0.9928 | 300 | 0.9766 | 0.9302 | 0.9217 | 0.9457 |
| 4 | 0.9900 | 300 | 0.9548 | 0.9740 | 0.9799 | 0.9692 |
| 5 | 0.9937 | 300 | 0.9577 | 0.9821 | 0.9942 | 0.9764 |

训练集2208×(2,1200)，验证集552×(2,1200)（压缩后）