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 | 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 | 0.9769 | 500 | 0.74 | 0.64 | 0.74 | 0.71 | 0.7275 |
| 2 | 0.9719 | 500 | 0.72 | 0.61 | 0.71 | 0.6812 |
| 3 | 0.9767 | 400 | 0.78 | 0.77 | 0.75 | 0.7681 |
| 4 | 0.9493 | 500 | 0.63 | 0.64 | 0.68 | 0.6467 |
| 5 | 0.9774 | 400 | 0.76 | 0.81 | 0.77 | 0.7753 |

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 | 1类精度 | 2类精度 | 3类精度 | 准确率 | 五次验证  平均准确率 |
| PPG300 | 1 | 0.9493 | 400 | 0.97 | 0.79 | 0.94 | 0.8986 | 0.9304 |
| 2 | 0.9896 | 300 | 0.96 | 0.88 | 0.93 | 0.9257 |
| 3 | 0.9900 | 300 | 0.97 | 0.87 | 0.95 | 0.9311 |
| 4 | 0.9882 | 300 | 0.95 | 0.93 | 0.95 | 0.9457 |
| 5 | 0.9869 | 300 | 0.97 | 0.92 | 0.96 | 0.9511 |

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 | 1类精度 | 2类精度 | 3类精度 | 准确率 | 五次验证  平均准确率 |
| PPG300  +  EDA300 | 1 | 0.9914 | 400 | 0.98 | 0.94 | 0.96 | 0.9583 | 0.9620 |
| 2 | 0.9932 | 300 | 0.97 | 0.93 | 0.96 | 0.9529 |
| 3 | 0.9941 | 300 | 0.99 | 0.95 | 0.97 | 0.9692 |
| 4 | 0.9864 | 300 | 0.96 | 0.94 | 0.98 | 0.9656 |
| 5 | 0.9928 | 300 | 0.95 | 0.97 | 0.98 | 0.9638 |

训练集2208×(2,1200)，验证集552×(2,1200)（压缩后）