|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| dataset | vehicle | pendigits | satimage | optdigits |
| size | 846 | 7494 | 4435 | 3823 |
| feature | 18 | 16 | 36 | 32 |
| label | 4 | 10 | 6 | 10 |
| statistics | 25.06%/  25.65%/  25.77%/  23.52% | 10.41%/  10.39%/  10.41%/  9.59%/  10.41%/  9.61%/  9.61%/  10.38%/  9.59%/  9.59% | 24.17%/  10.80%/  21.67%/  9.36%/  10.60%/  23.40% | 10.18%/  9.94%/  10.18%/  10.12%/  9.84%/  9.86%/  10.12%/  9.94%/  9.99%/  9.84% |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| dataset | vehicle | pendigits | satimage | optdigits |
| Logistic | 78.27% | 95.09% | 84.53% | 93.70% |
| LEAR | 50.47% | 74.90% | 78.78% | 75.91% |
| LEAR\_SN | 51.12% | 67.73% | 72.91% | 66.89% |
| no\_LEAR | 45.18% | 61.48% | 60.12% | 55.97% |
| gain LEAR | 5.29% | 12.22% | 18.65% | 19.94% |
| gain LEAR\_SN | 6.04% | 8.61% | 12.79% | 10.92% |