**模型拟合效果对比表(Abalone数据集)**

**Comparison table of model fitting effect (Abalone Data Set)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **数据处理方法** | | **逻辑回归** | **决策树** | **随机森林** | **支持向量机** | **朴素贝叶斯** | **K**近邻 | **神经网络** |
| **不引入哑变量** | **不处理** | 0.2720 | **0.2584** | 0.2632 | **0.2832** | 0.2408 | **0.2640** | 0.2496 |
| **正态化** | 0.2752 | **0.2584** | 0.2632 | 0.2616 | **0.2544** | 0.2280 | 0.1768 |
| **标准化** | 0.2728 | **0.2584** | 0.2632 | 0.2696 | 0.2408 | 0.2408 | 0.2024 |
| **归一化** | 0.2744 | **0.2584** | **0.2640** | 0.2712 | 0.2408 | 0.2432 | 0.2424 |
| **正标** | 0.2736 | **0.2584** | 0.2632 | 0.2704 | **0.2544** | 0.2480 | 0.2104 |
| **正归** | **0.2776** | **0.2584** | 0.2632 | 0.2704 | 0.2544 | 0.2440 | 0.2504 |
| **标归** | 0.2752 | **0.2584** | **0.2640** | 0.2712 | 0.2408 | 0.2432 | 0.2456 |
| **归标** | 0.2728 | **0.2584** | 0.2632 | 0.2696 | 0.2408 | 0.2408 | 0.2096 |
| **正标归** | **0.2776** | **0.2584** | 0.2632 | 0.2704 | **0.2544** | 0.2440 | **0.2584** |
| **正归标** | 0.2736 | **0.2584** | 0.2632 | 0.2704 | **0.2544** | 0.2480 | 0.2120 |
| **引入哑变量** | **不处理** | 0.2680 | **0.2704** | 0.2632 | **0.2840** | 0.1232 | 0.2424 | **0.2672** |
| **正态化** | 0.2720 | **0.2704** | **0.2648** | 0.2592 | **0.1592** | 0.2224 | 0.1768 |
| **标准化** | 0.2656 | **0.2704** | 0.2632 | 0.2728 | 0.0984 | 0.2472 | 0.2048 |
| **归一化** | **0.2792** | **0.2704** | 0.2640 | 0.2640 | 0.0960 | 0.2432 | 0.2472 |
| **正标** | 0.2752 | **0.2704** | **0.2648** | 0.2768 | 0.1056 | **0.2600** | 0.2040 |
| **正归** | 0.2672 | **0.2704** | **0.2648** | 0.2736 | 0.1040 | 0.2448 | 0.2440 |
| **标归** | 0.2680 | **0.2704** | 0.2640 | 0.2640 | 0.0960 | 0.2432 | 0.2400 |
| **归标** | 0.2728 | **0.2704** | 0.2632 | 0.2728 | 0.0984 | 0.2472 | 0.1888 |
| **正标归** | 0.2704 | **0.2704** | **0.2648** | 0.2736 | 0.1040 | 0.2448 | 0.2512 |
| **正归标** | 0.2736 | **0.2704** | **0.2648** | 0.2768 | 0.1056 | **0.2600** | 0.2176 |