# Algorithm analysis

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| --- | --- | --- | --- | --- | --- | --- |
| **Algorithm** | **Class balancing** | **Accuracy** | **Precision** | | **Recall** | |
| Survived | | Survived | |
| Yes | No | Yes | No |
| Decision trees | Yes | 80.98 | 85.67 | 75.12 | 81.16 | 80.73 |
| No | 79.12 | 64.91 | 87.97 | 77.08 | 80.09 |
| Naïve Bayes | Yes | 74.26 | 81.28 | 65.48 | 74.66 | 73.66 |
| No | 77.78 | 73.09 | 80.69 | 70.22 | 82.80 |
| kNN (k=13) | Yes | 73.99 | 80.01 | 66.46 | 74.90 | 72.67 |
| No | 70.92 | 48.24 | 85.06 | 66.80 | 72.51 |