Binomial classification

| **Algorithm** | **Acc** | **Training time** | **Linearity** | **P** | **Notes** |
| --- | --- | --- | --- | --- | --- |
| **Two-class classification** |  |  |  |  |  |
| [logistic regression](https://msdn.microsoft.com/library/azure/dn905994.aspx) |  | ● | ● | 5 |  |
| [decision forest](https://msdn.microsoft.com/library/azure/dn906008.aspx) | ● | ○ |  | 6 |  |
| [decision jungle](https://msdn.microsoft.com/library/azure/dn905976.aspx) | ● | ○ |  | 6 | Low memory footprint |
| [boosted decision tree](https://msdn.microsoft.com/library/azure/dn906025.aspx) | ● | ○ |  | 6 | Large memory footprint |
| [neural network](https://msdn.microsoft.com/library/azure/dn905947.aspx) | ● |  |  | 9 | [Additional customization is possible](http://go.microsoft.com/fwlink/?LinkId=402867) |
| [averaged perceptron](https://msdn.microsoft.com/library/azure/dn906036.aspx) | ○ | ○ | ● | 4 |  |
| [support vector machine](https://msdn.microsoft.com/library/azure/dn905835.aspx) |  | ○ | ● | 5 | Good for large feature sets |
| [locally deep support vector machine](https://msdn.microsoft.com/library/azure/dn913070.aspx) | ○ |  |  | 8 | Good for large feature sets |
| [Bayes’ point machine](https://msdn.microsoft.com/library/azure/dn905930.aspx) |  | ○ | ● | 3 |  |

Data cleaning methods