

Supervised learning methods

Interpretability	Model type	Outcome type		
		Numeric	Binary	Category
More 	Regression	Stepwise linear regression LASSO linear regression	Stepwise logistic regression LASSO logistic regression	Stepwise multinomial regression LASSO multinomial regression
	Bayes	--	Naïve Bayes Tree augmented naïve Bayes	Naïve Bayes Tree augmented naïve Bayes
		--	Bayesian Networks	Bayesian Networks
	Tree	Regression tree Averaged regression tree (bagging, boosting, random forest)	Classification tree Averaged classification tree (bagging, boosting, random forest)	Classification tree Averaged classification tree (bagging, boosting, random forest)
	Other	--	Linear support vector machine*	--
		--	Support vector machine*	--
Less		--	Neural Network*	--

*Only gives predicted categories, not predicted outcome probabilities