

Author (Year)	Notes	Cohort Size	Retained (#)	Retained (%)	Measure of Accuracy	Coeffs Used?	Techniques Used
Spady (1971)		683	615	90.04%	R^2 of .3132 for men and .3879 for women	Yes	Multiple regression
Bean (1980)		906	769	84.88%	R^2 of .22 for women and 0.09 for men	Yes	Multiple regression
Terenzini (1980)	study 1	379	60	15.80%	R^2 of .246	Yes	discriminate analyses
	study 3	518	428	82.63%	R^2 of .256	Yes	Multiple regression
	study 5	763	673	88.20%	R^2 of .309	Yes	discriminate analyses
	study 6	763	673	88.20%	R^2 of .476 for men and .553 for women	Yes	discriminate analyses
Stage (1989)		323		91.00%		Yes	Logistic regression
Dey & Astin (1993)		947		16.00%	Multiple R 0.354, 0.351, and 0.323	Yes	logit, probit, and regression
Waugh et al. (1994)		8667		60%	estimated ret prob	Yes	Survival Analysis/ Hazard regression
Murtaugh et al. (1999)		3535		88.30%	59.3%	Yes	Logistic regression
Bresciani & Carson (2002)		3244	1592	49.08%	R^2 of 0.022	Yes	Logistic regression
Glynn et al. (2003)	any dropout; not only first-year; accuracies based on the training data				overall accuracy of 83%	Yes	Logistic regression
Herzog (2005)		5261		76.30%	77.4% accuracy	Yes	Logistic regression
		4298		77.10%		Yes	
		4671		83.50%	85.4% accuracy	Yes	
		2,444		79.50%	81.6% accuracy on training; 80.7% on validation	Yes	Logistic regression
Sujitparapitaya (2006)		2,445		79.50%	83.9% accuracy on training; 82.1% on validation	Yes	Neural Network
		2,445		79.50%	85.5% on training; 84.4% on validation	Yes	C4.5
		8,018		75.29%	accuracy close to 75%	Yes	Neural Networks; CHAID, C4.5, CR&T; Logistic regression
Atwell et al. (2006)	training	3,829	3149	82.24%	precision for drop-outs 91, 84, 84, 78	Yes	decision trees (entropy, chi-sq, gini) and logistic regression
	test	5,990	4,881	81.49%	precision for drop-outs 88, 82, 82, 73	Yes	logistic regression
DeLong et al. (2007)				50%	precision varied from 57% to 60%	Yes	AdaBoost MI with Decision Stumps
Pittman (2008)		21136	17139	81.10%	overall accuracy of 78-81%; not-retained precision from 44-63%	Yes	Logistic regression, neural network, bayes, J48

Table 1: Techniques and Accuracies Reported in Literature