Table 1: Predicting UC Merced Using *Washington Monthly* Model and IRDS 2013 Freshman Statistics

	Model 1 Coefficients	SE	Model 2 Coefficients	SE	Model 3 Coefficients	SE	UCM Statistics Raw	As Entered	Model 1	Model 2	Model 3
Percent Pell	-0.242	0.043	-0.274	0.045	-0.249	0.043		60%	-0.146	-0.165	-0.150
Average ACT composite	0.028	0.002	0.024	0.002	0.019	0.002		21	0.588	0.504	0.399
Percent receiving financial aid			-0.038	0.023	-0.034	0.022		86%		-0.033	-0.029
Percent receiving student loan			0.011	0.02	0.001	0.019		65%		0.007	0.001
Percent male students			-0.169	0.052	-0.131	0.05	2797	48%		-0.081	-0.063
Percent fulltime students			0.538	0.043	0.442	0.045	5,779	99%		0.533	0.438
Percent white students			-0.038	0.027	-0.008	0.026	890	15%		-0.006	-0.001
Percent black students			-0.043	0.039	-0.077	0.037	366	6%		-0.003	-0.005
Percent Hispanic students			-0.056	0.057	0.067	0.055	2560	44%		-0.025	0.029
Log enrollment					0.011	0.006	5837	3.8			0.041
Mainly residential					0.061	0.011	Yes	1			0.061
Admit rate					-0.104	0.019		65%			-0.068
Constant	0.007	0.057	-0.242	0.061	-0.155	0.084		1	0.007	-0.242	-0.155
									45%	**49%**	**50%**

Table 2: Predicting UC Merced Graduation Rates Using HERI-Based Models (Astin)

	Four-Year Regression Weights	Six-Year Regression Weights	Astin Scale (IRDS Fall 2013 Statistics)	Predicted Four-Year	Predicted Six-Year
HSGPA*	0.0619	0.0760	6.060	**0.375**	**0.461**
SAT Verbal and Math	0.0006	0.0003	1,025	**0.568**	**0.322**
Female	0.0717	0.0249	1.517	**0.109**	**0.038**
White	0.0000	0.0000		**0.000**	**0.000**
American Indian	-0.1327	-0.1454	1.003	**-0.133**	**-0.146**
Puerto Rican	-0.0559	-0.1024	1.000	**-0.056**	**-0.102**
Mexican American/Chicano	-0.0922	-0.0922	1.518	**-0.140**	**-0.140**
African American	-0.0298	-0.0469	1.044	**-0.031**	**-0.049**
Asian American	-0.0195	0.0327	1.215	**-0.024**	**0.040**
Other	0.0221	-0.0201	1.100	**0.024**	**-0.022**
Constant	-0.3587	0.1603	1.000	**-0.359**	**0.160**
				33%	**56%**
SPSS Program Results to Confirm				**33%**	**56%**

*HSGPA Coding	
	4.00 thru 4.60=8
	3.70 thru 3.99=7
	3.30 thru 3.69=6
	3.00 thru 3.29=5
	2.70 thru 2.99=4
	2.30 thru 2.69=3
	1.70 thru 2.29=2
	1.00 thru 1.69=1 INTO HSGPA.

Astin, Alexander and Oseguera, Leticia (2005)
Degree Attainment Rates and American Colleges and Universities Revised Ed.
Higher Education Research Institute, UCLA.

Table 3: AAU-Based Graduation Rate Expectations Using Fall 2006, 2007 and 2008 UC Merced Cohorts (Arizona)

The overall AAU 5-year rate was	**55%**
The overall AAU standard deviation was	**48%**

Five-Year Predicted Rates	**Logistic Model Result**	**Result Converted Using AAU Values Above**
Overall	-0.068	**52%**
Business Management	0.043	**57%**
Engineering	-0.144	**48%**
Humanities	0.148	**62%**
Science and Mathematics	-0.100	**50%**
Social Sciences	0.035	**56%**
Undecided	0.024	**56%**

Kroc, R., Howard, R., Hull, P., Woodard, D. (1997)

Graduation Rates: Do Students' Academic Program Choices Make a Difference
Paper presented at Association for Institutional Research Forum, Orlando.