

Study 1 results of logit models for the likelihood of a STEM major, fit separately for women and men, for the sample with SAT scores.

Models for Women, $N = 12470$

Model	Parameter	Parameter estimates		Odds Ratio	99% Wald Conf Limits	Fit indices	
		$B_k (se_B)$	χ^2			R^{2*}	-2LL
M ₁	Intercept	-0.28 (.02)	222			0.110	15916
	SAT-Math	0.64 (.02)	925	1.91	1.81 – 2.01		
M ₂	Intercept	-0.31 (.02)	294			0.020	16789
	SAT-Verbal	0.25 (.02)	184	1.29	1.23 – 1.35		
M ₃	Intercept	-0.27 (.02)	206			0.120	15809
	SAT-Math	0.83 (.03)	843	2.30	2.14 – 2.48		
	SAT-Verbal	-0.27 (.03)	104	0.76	0.71 – 0.82		
M ₄	Intercept	-0.35 (.02)	363			0.028	16714
	Explicit sci=male	-0.30 (.02)	256	0.74	0.70 – 0.78		
M ₅	Intercept	-0.31 (.02)	291			0.010	16887
	Explicit arts=female	-0.18 (.02)	91	0.84	0.80 – 0.88		
M ₆	Intercept	-0.35 (.02)	349			0.031	16687
	Explicit sci=male	-0.27 (.02)	195	0.76	0.72 – 0.80		
	Explicit arts=female	-0.10 (.02)	27	0.90	0.86 – 0.95		
M ₇	Intercept	-0.33 (.02)	327			0.028	16718
	Explicit composite	-0.19 (.01)	251	0.83	0.80 – 0.85		
M ₈	Intercept	-0.37 (.02)	365			0.126	15750
	Implicit sci=male	-0.67 (.02)	1077	0.51	0.48 – 0.54		
M ₉	Intercept	-0.37 (.02)	375			0.135	15665
	Explicit composite	-0.12 (.01)	83	0.89	0.86 – 0.92		
	Implicit sci=male	-0.64 (.02)	939	0.53	0.50 – 0.56		
M ₁₀	Intercept	-0.33 (.02)	272			0.209	14877
	SAT-Math	0.70 (.03)	558	2.02	1.87 – 2.18		
	SAT-Verbal	-0.19 (.03)	49	0.82	0.77 – 0.88		
	Explicit composite	-0.09 (.01)	43	0.92	0.89 – 0.95		
	Implicit sci=male	-0.58 (.02)	716	0.56	0.53 – 0.59		

Models for Men, $N = 5747$

Model	Parameter	Parameter estimates		Odds Ratio	99% Wald Conf Limits	Fit indices	
		$B_k (se_B)$	χ^2			R^{2*}	-2LL
M ₁	Intercept	-0.22 (.03)	52			0.147	7296
	SAT-Math	0.79 (.03)	553	2.21	2.03 – 2.41		
M ₂	Intercept	-0.01 (.03)	0.2			0.016	7899
	SAT-Verbal	0.22 (.03)	66	1.25	1.17 – 1.34		
M ₃	Intercept	-0.25 (.03)	66			0.165	7210
	SAT-Math	1.02 (.04)	556	2.78	2.49 – 3.11		
	SAT-Verbal	-0.36 (.04)	83	0.70	0.63 – 0.78		
M ₄	Intercept	-0.02 (.03)	1			0.006	7940
	Explicit sci=male	0.14 (.03)	27	1.15	1.07 – 1.23		
M ₅	Intercept	0.02 (.03)	1			0.009	7928
	Explicit arts=female	0.17 (.03)	39	1.18	1.10 – 1.27		
M ₆	Intercept	0.00 (.03)	0.0			0.012	7914
	Explicit sci=male	0.10 (.03)	14	1.11	1.03 – 1.19		
	Explicit arts=female	0.14 (.03)	26	1.15	1.07 – 1.24		
M ₇	Intercept	-0.01 (.03)	0.1			0.012	7915
	Explicit composite	0.12 (.02)	51	1.13	1.08 – 1.18		
M ₈	Intercept	-0.03 (.03)	1			0.055	7725
	Implicit sci=male	0.43 (.03)	228	1.54	1.43 – 1.66		
M ₉	Intercept	-0.04 (.03)	2			0.058	7710
	Explicit composite	0.07 (.02)	15	1.07	1.02 – 1.12		
	Implicit sci=male	0.41 (.03)	195	1.50	1.39 – 1.62		
M ₁₀	Intercept	-0.28 (.03)	79			0.202	7025
	SAT-Math	0.97 (.04)	493	2.02	1.87 – 2.18		
	SAT-Verbal	-0.30 (.04)	55	0.82	0.77 – 0.88		
	Explicit composite	0.06 (.02)	10	0.92	0.89 – 0.95		
	Implicit sci=male	0.37 (.03)	146	0.56	0.53 – 0.59		

STEM major is coded 1 if a first or second major was in STEM, otherwise 0. All predictors are standardized. Explicit composite is average of science=male and arts=female stereotypes. $\chi^2 =$ Wald Chi-Square. *Max-rescaled R^2 for logistic regression (Nagelkerke, 1991). -2LL = -2 log likelihood.