

Logistic Regression.

In this analysis we have used logistic regression to predict the likelihood respondents in the 1988-2000 General Social Surveys would respond “not at all wrong” when asked: “What about sexual relations between two adults of the same sex — do you think it is always wrong, almost always wrong, wrong only sometimes, or not at all wrong?” Our predictor variables are age in years, and five binary (dummy) variables identifying respondents who are (1) female, or reside in: (2) one of the nation’s 12 largest metropolitan areas, (3) rural areas, (4) New England states, and (5) Pacific States.

Our results indicate that each of these variables was associated with a statistically significant variation in the odds that respondents would give the most tolerant response (“not wrong at all”) when asked about their attitude toward same-gender sex among adults. Net of the impact of other variables included in the model, each decade of age increased respondents likelihood of giving a tolerant response by a factor of 0.76. Residents of rural areas were 0.53 times less likely to give a tolerant response, while females (1.37) and residents of New England (2.45), the Pacific States (1.70), and the 12 largest metropolitan areas (1.34) were 1.3 to 2.4 times more likely to give the most tolerant response, net of other variables included in the model.

----- Variables in the Equation -----

Variable	B	S.E.	Wald	df	Sig	R	Exp(B)
FEMALE	.3152	.0460	46.9522	1	.0000	.0598	1.3706
NENGLAND	.8957	.0907	97.4707	1	.0000	.0871	2.4491
PACIFIC	.5329	.0605	77.6897	1	.0000	.0776	1.7039
URBAN12	.2947	.0793	13.8172	1	.0002	.0306	1.3427
RURAL	-.6296	.0912	47.6712	1	.0000	-.0602	.5328
AGE	-.0266	.0015	322.1209	1	.0000	-.1595	.9738
Constant	-.4149	.0693	35.8420	1	.0000		