

Chi-Square and Gamma for 2x2 Tables

Vary the Strength of the Relationship:

N = 200 (equally split among male and female respondents)

a. No Difference

	M	F	X^2	Gamma
Bush	50	50		
Gore	50	50	0.0	.00

b. 10% Difference

	M	F	X^2	Gamma
Bush	55	45		
Gore	45	55	2.0	.20

c. 20% Difference

	M	F	X^2	Gamma
Bush	60	40		
Gore	40	60	8.0	.38

d. 30% Difference

	M	F	X^2	Gamma
Bush	65	35		
Gore	35	65	18.0	.55

e. 40% Difference

	M	F	X^2	Gamma
Bush	70	30		
Gore	30	70	32.0	.69

Vary the Number of Cases:
(10 % Difference)

a. N = 200

	M	F	X^2	Gamma
Bush	55	45		
Gore	45	55	2.0	.20

b. N = 400

	M	F	X^2	Gamma
Bush	110	90		
Gore	90	110	4.0	.20

c. N = 600

	M	F	X^2	Gamma
Bush	165	135		
Gore	135	165	6.0	.20

d. N = 1000

	M	F	X^2	Gamma
Bush	275	225		
Gore	225	275	10.0	.20