

LOGIT CRIB SHEET

Z Score $\beta / \text{standard error}$

Wald Test $(\beta / \text{standard error})^2$ compared with Chi-square @ 1 d.f.

95% Confidence Interval $\beta \pm (1.96 * \text{standard error})$

Calculation of probability in logit

Add up the linear predictor $LP = \beta_0 + \beta_1 + \dots + \beta_k$

Take the anti-log of LP (think of this as the odds ratio)

Calculate the probability from the odds $p = \text{odd} / (1 + \text{odds})$

Chi-square

		Probability		
df		.05	.01	.001
	1	3.84	6.63	10.83
	2	5.99	9.21	13.81
	3	7.81	11.34	16.27
	4	9.49	13.28	18.47
	5	11.07	15.09	20.52

Source: Cambridge Elementary Statistical Tables.