Answers

 $\pi = Odds / (odds + 1)$

Odds = $\pi/(1-\pi)$

$$f(y;\pi) = \exp[y\log(\frac{\pi}{1-\pi}) + \log(1-\pi)]$$

 $b(\pi) = \log\left(\frac{\pi}{1-\pi}\right)$, i.e. the logit link

Are the number of votes for a congressional candidate associated with the amount of campaign contributions?

Is exposure to a particular chemical associated with a cancer diagnosis?

$$\log\left(\frac{\pi_{ik}}{\pi_{i1}}\right) = \beta_{0k} + \beta_{1k}X_i$$

nnet::multinom()

broom::tidy()

$$\hat{\beta}_{jk} \pm z^* SE(\,\hat{\beta}_{jk}), \text{ where } z^* \text{ comes from N(0,1)}.$$

$$\pi = \frac{\exp(\beta_0 + \beta_1 X)}{1 + \exp(\beta_0 + \beta_1 X)}$$

$$\log\left(\frac{\pi}{1 - \pi}\right) = \beta_0 + \beta_1 X$$

$$\log\left(\frac{\pi}{1-\pi}\right) = \beta_0 + \beta_1 X$$

Standard Normal distribution (Z-distribution)

Logistic Regression Bingo

Names:			

Which distribution is used to perform inference on coefficients from a logistic model?	Canonical link function for binary logistic regression	What is the formula for the logistic model?
What is the multinomial logistic regression model, comparing category (y=k) to the baseline category (y=1)?	The formula for probability, in terms of the odds	Which function from the nnet R package can be used to fit a multinomial logistic regression model?
What is the formula for the logistic model?	A research question with a binomial response.	Formula for a C% confidence interval for β_{jk} from a multinomial logistic regression model.