The octopus genome and the evolution of cephalopod neural and morphological novelties

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Journal Club, 2016-02-17

This is the first slide

This is the second slide

A bit more information about this

$$P(A \mid B) = \frac{P(A) \times P(B \mid A)}{P(B)} \tag{1}$$

$$Posterior = \frac{Prior \times Likelihood}{Evidence} \tag{2}$$

$$f(t,r\mid D) = \frac{f(t)f(r\mid t) \times L(D\mid t,r)}{Z}$$
 (3)

 H_0 : Asymmetrically fast evolving genes occur with equal frequency to symmetric fast evolving genes.

 H_1 : Frequencies are not equal.

binom.test (72, 76, p=.5)

Exact binomial test

data: 72 and 76

number of successes = 72, number of trials = 76, p-value $< 2.2 \times 10^{-16}$ alternative hypothesis: true probability of success is not equal to 0.5 95 percent confidence interval:

0.8706908 0.9854754 sample estimates: probability of success 0.9473684

Thanks for listening