Proportions

Boyesian Methodo

.

· Parameter

$$P(Y_1 = 2) = E[P(Y_1 = 2 | b)]$$

 $b \sim \pi(h|y)$

Normal
$$= \frac{\sum (x_i - h)^2}{2 \sigma^2}$$

$$(\frac{1}{2})^2 = N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times + \frac{1}{5} \frac{1}{2} h^0 \right)$$

$$= N \left(\frac{\pi}{2} \times$$

$$P\left(Y_{1} \gtrsim 15\right) = E\left[1 - \frac{1}{2} - \frac{1}{2}\right]$$

$$A \sim N\left(A_{1}, z_{1}^{2}\right)$$