



EXAMPLE: BIRTHDAY WANTS





































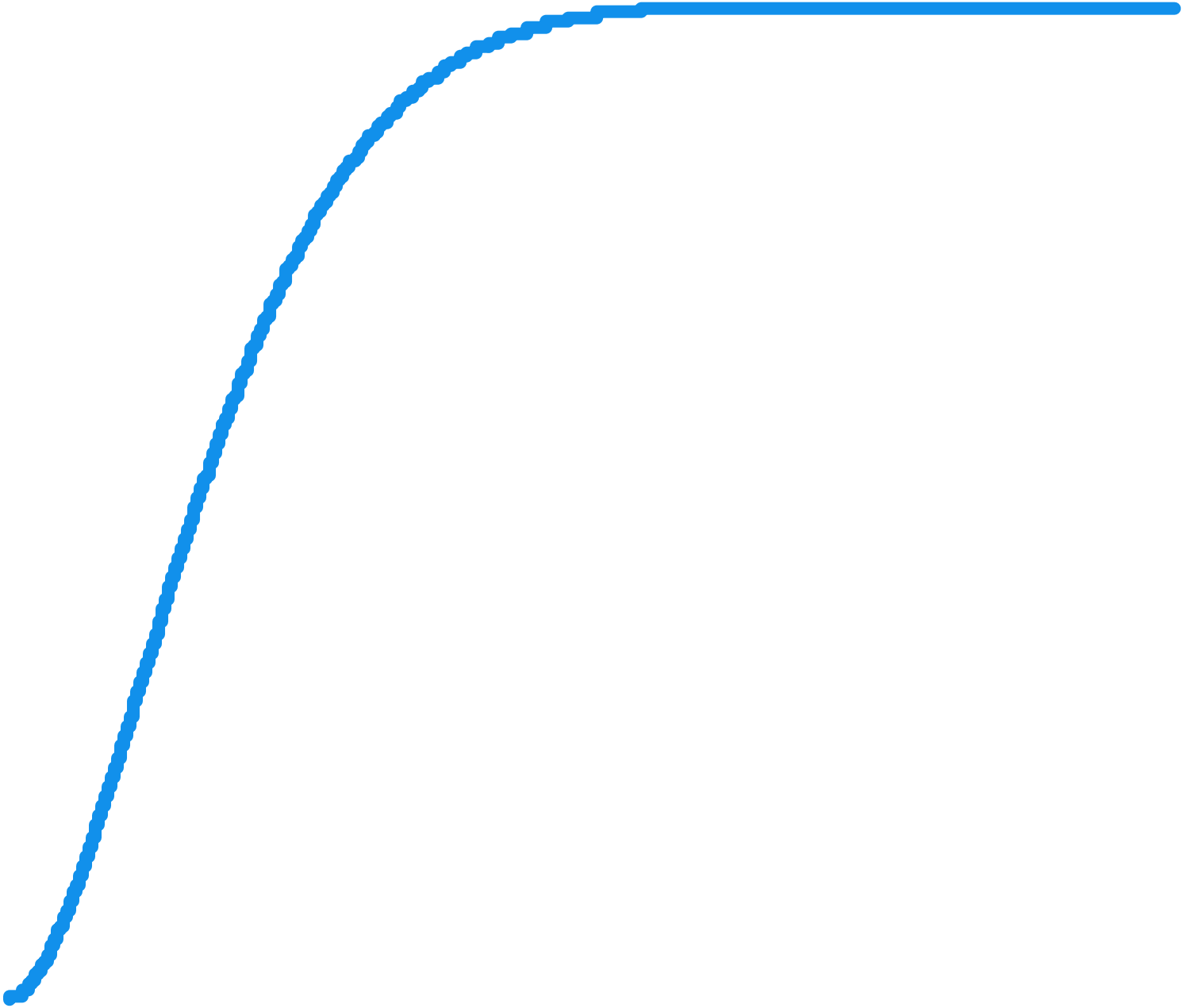




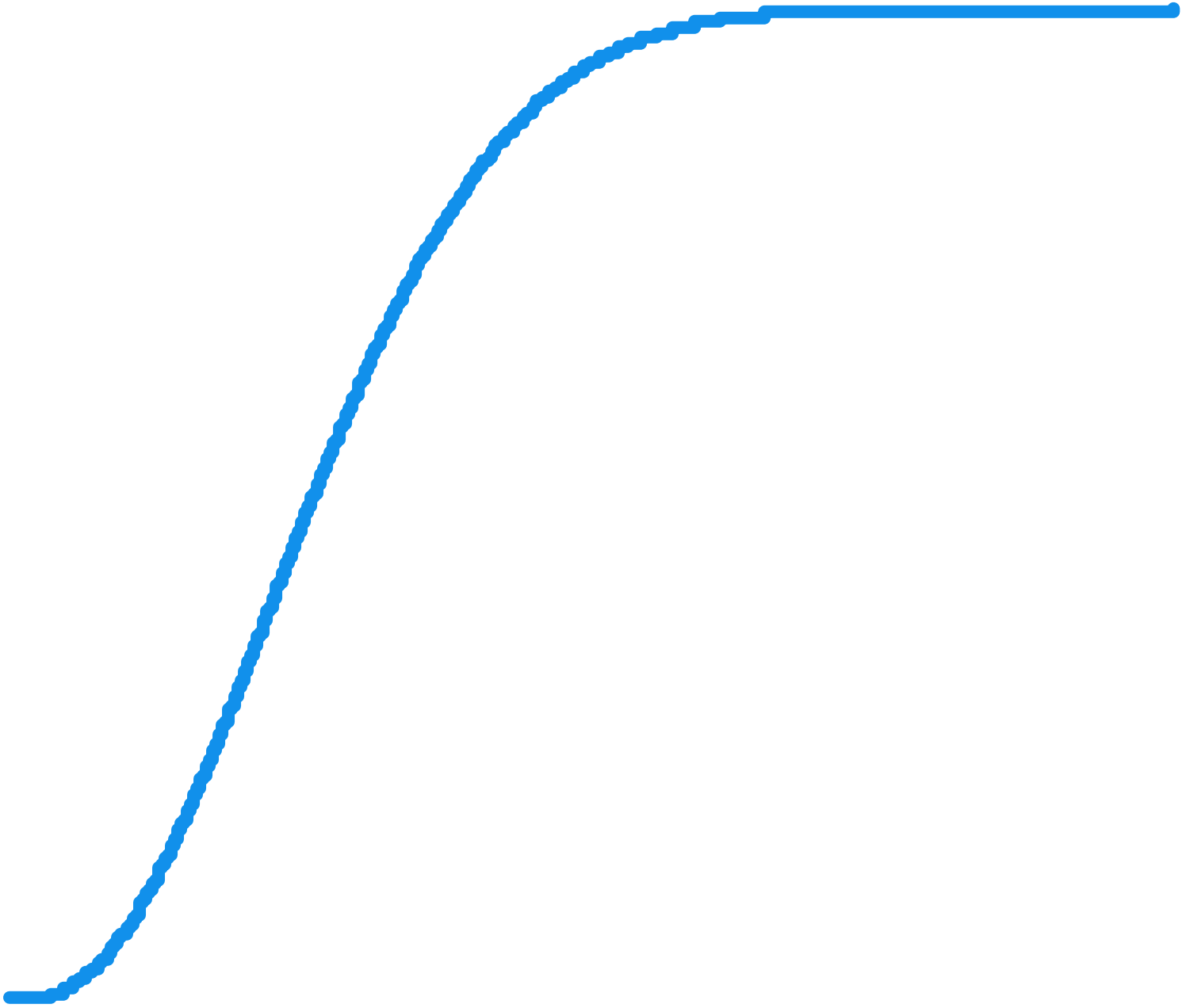






















$(\alpha - \beta) 100\%$

confidence

interval for  $p$













*beta(3,8)*

beta(2,9)

# EXAMPLE: BINOMIAL RATE $P$ FOR $K$ OF $N$ TRIALS

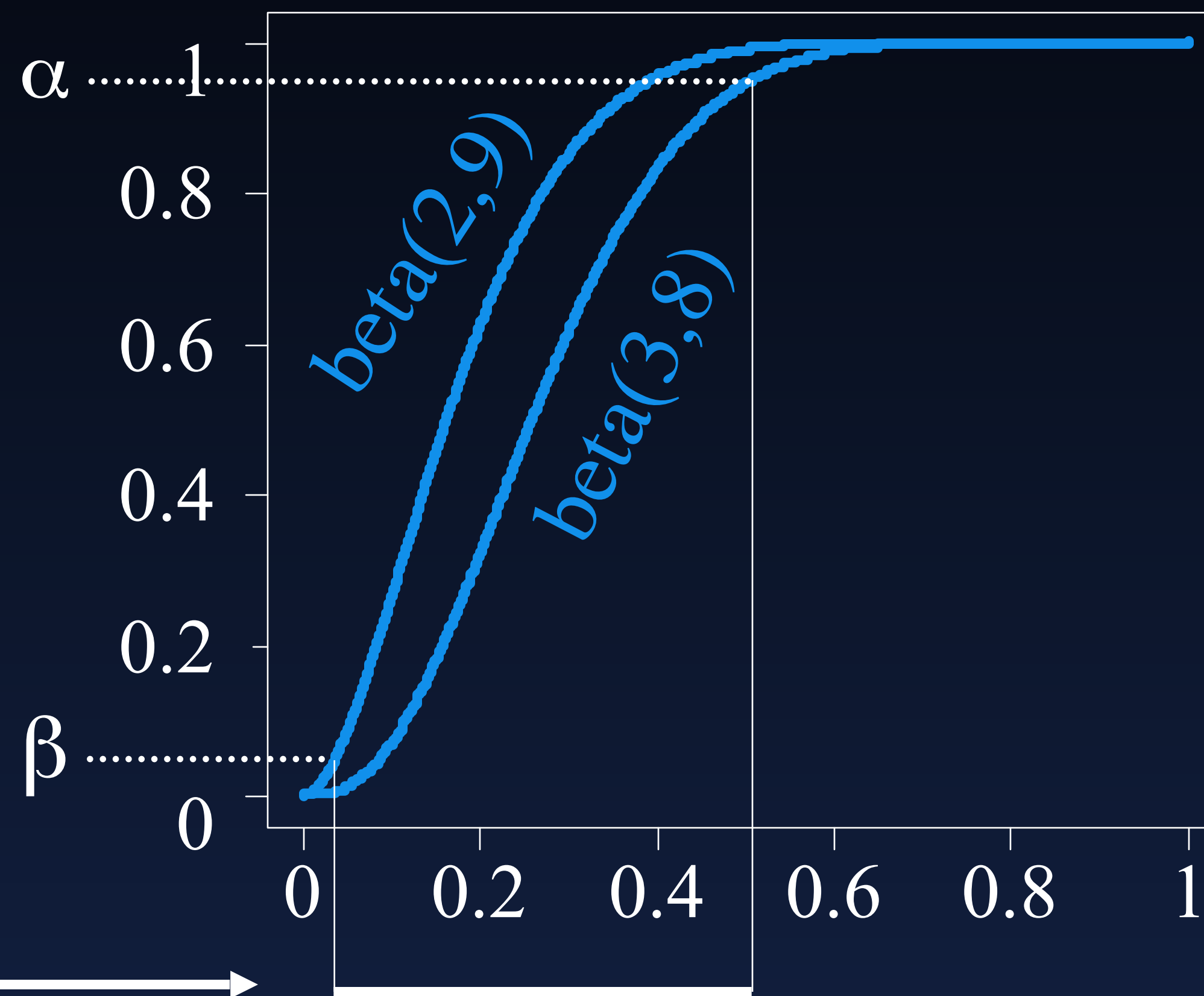
$$p \sim [\text{beta}(k, n - k + 1), \text{beta}(k + 1, n - k)]$$

Data

$K = 2$  Successes

$N = 10$  Trials

$(\alpha - \beta)100\%$   
confidence  
interval for  $p$



# GILDING

	Pyrite Positive	Pyrite Negative
Test Positive	A	B
Test Negative	C	D