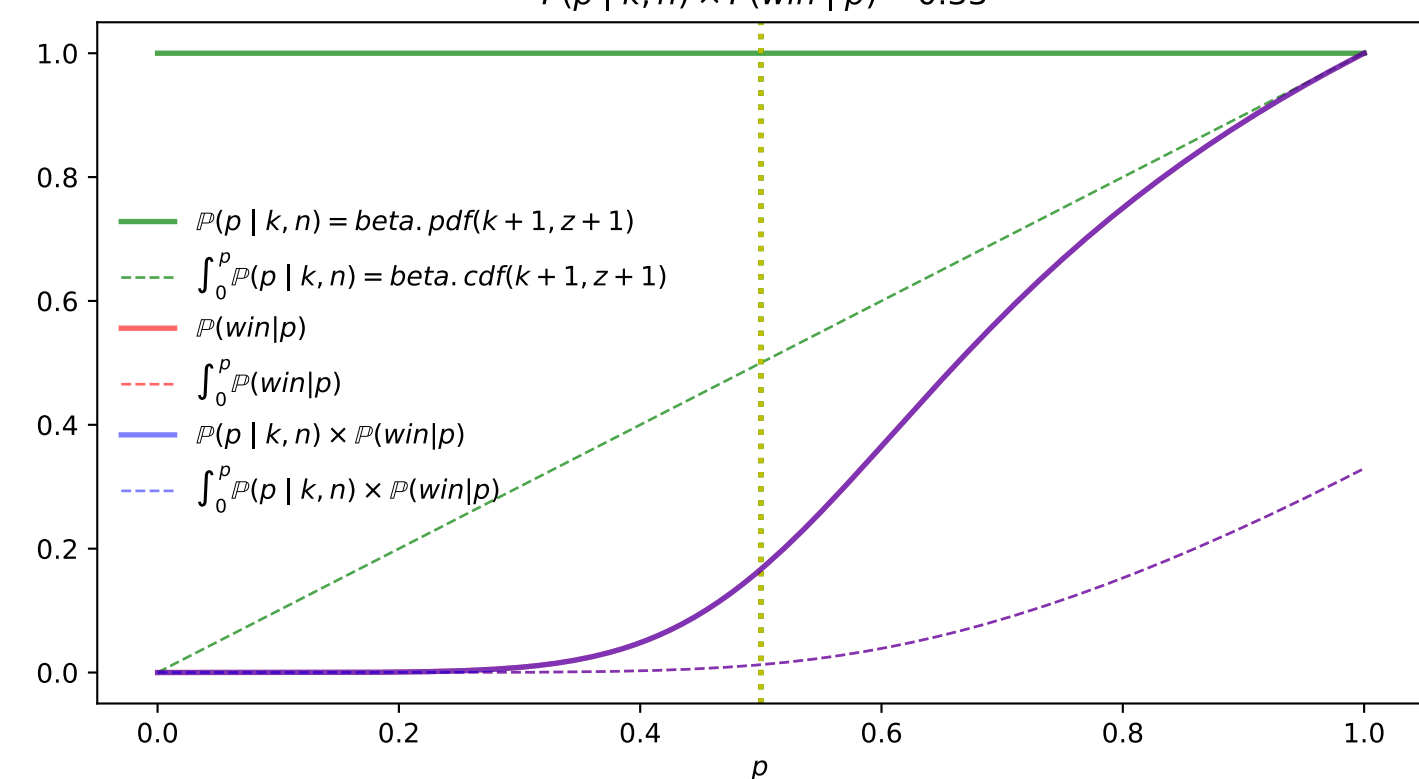
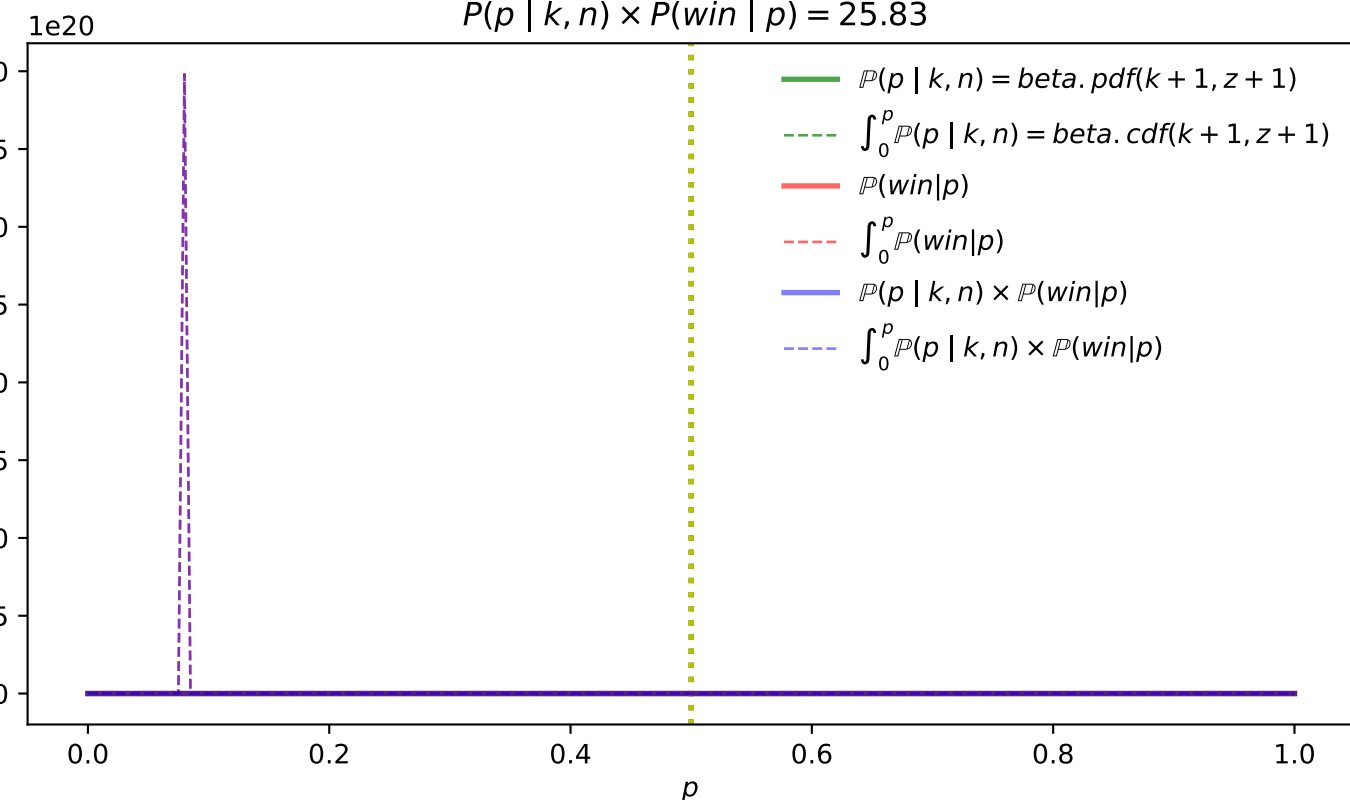


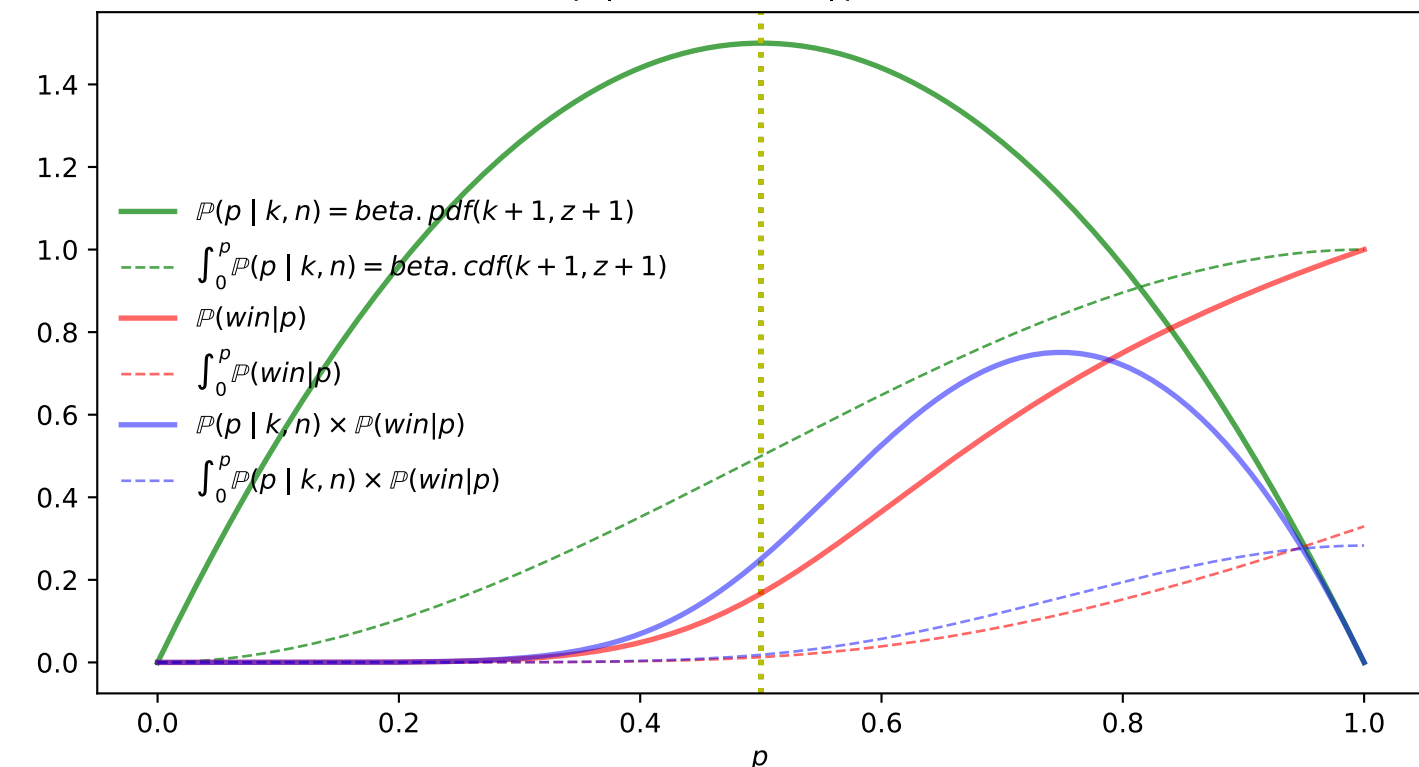
$k = 0, n = 0, b = 1, g = 6$
 $\hat{p} = 0.50, P(\text{win} \mid \hat{p}) = 0.17, \bar{p} = 0.50, P(\text{win} \mid \bar{p}) = 0.17$
 $P(p \mid k, n) \times P(\text{win} \mid p) = 0.33$



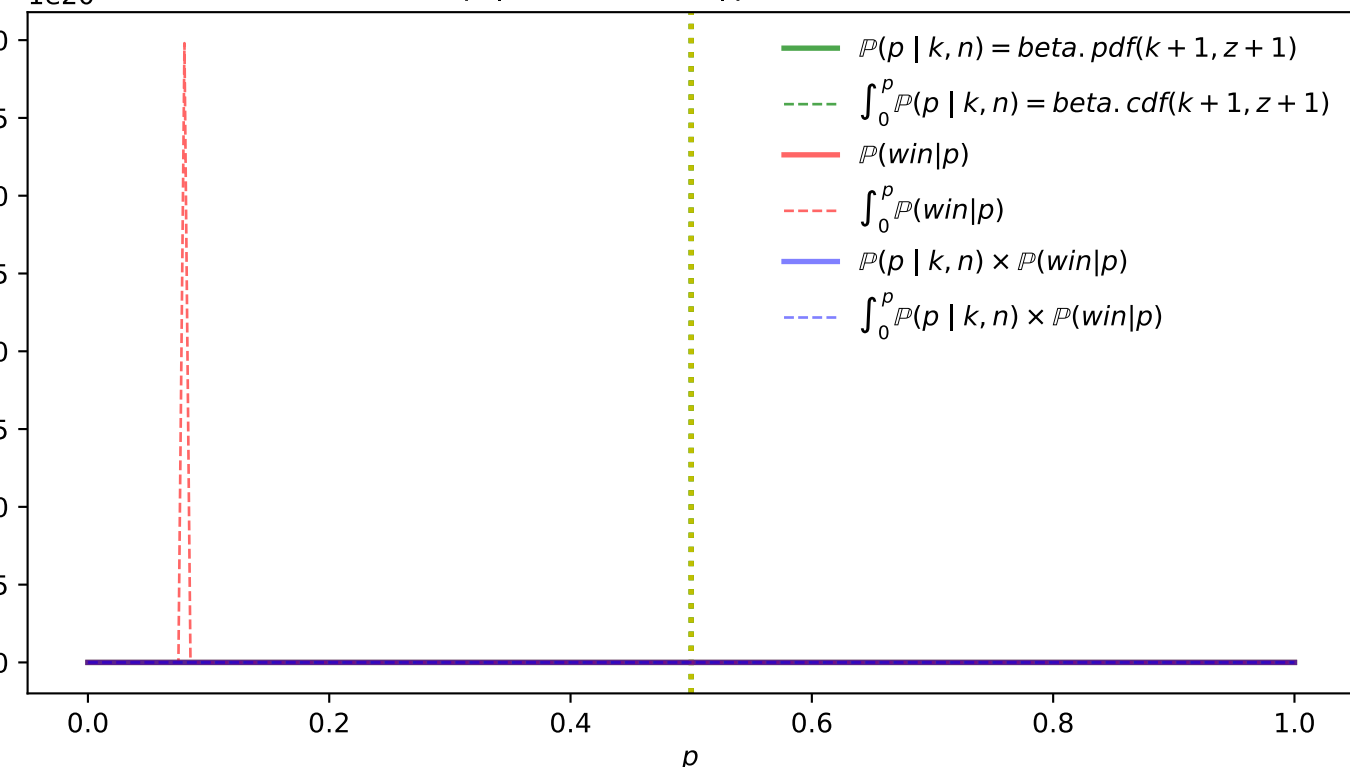
$k = 0, n = 0, b = 9, g = 6$
 $\hat{p} = 0.50, P(\text{win} \mid \hat{p}) = 1.50, \bar{p} = 0.50, P(\text{win} \mid \bar{p}) = 1.50$
 $P(p \mid k, n) \times P(\text{win} \mid p) = 25.83$



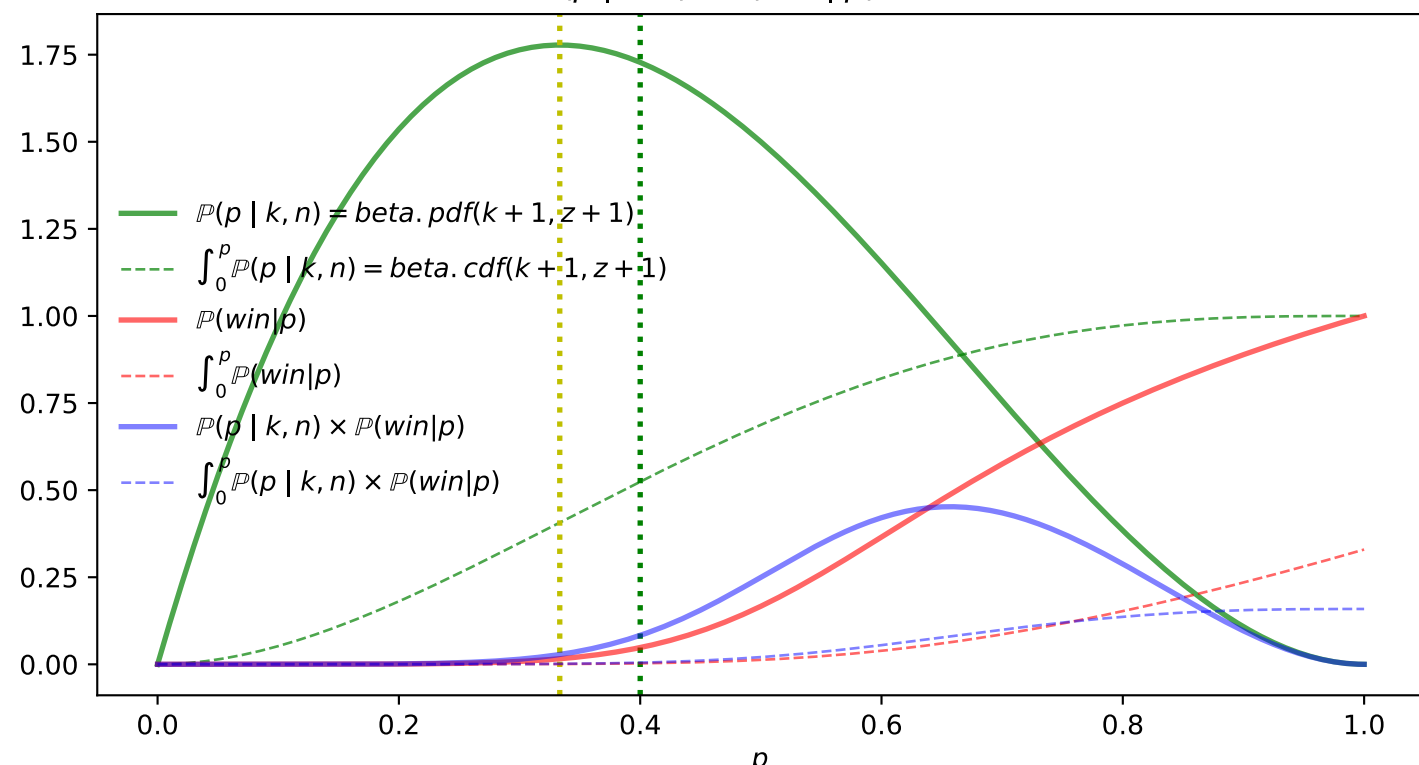
$k = 1, n = 2, b = 1, g = 6$
 $\hat{p} = 0.50, P(\text{win} \mid \hat{p}) = 0.17, \bar{p} = 0.50, P(\text{win} \mid \bar{p}) = 0.17$
 $P(p \mid k, n) \times P(\text{win} \mid p) = 0.28$



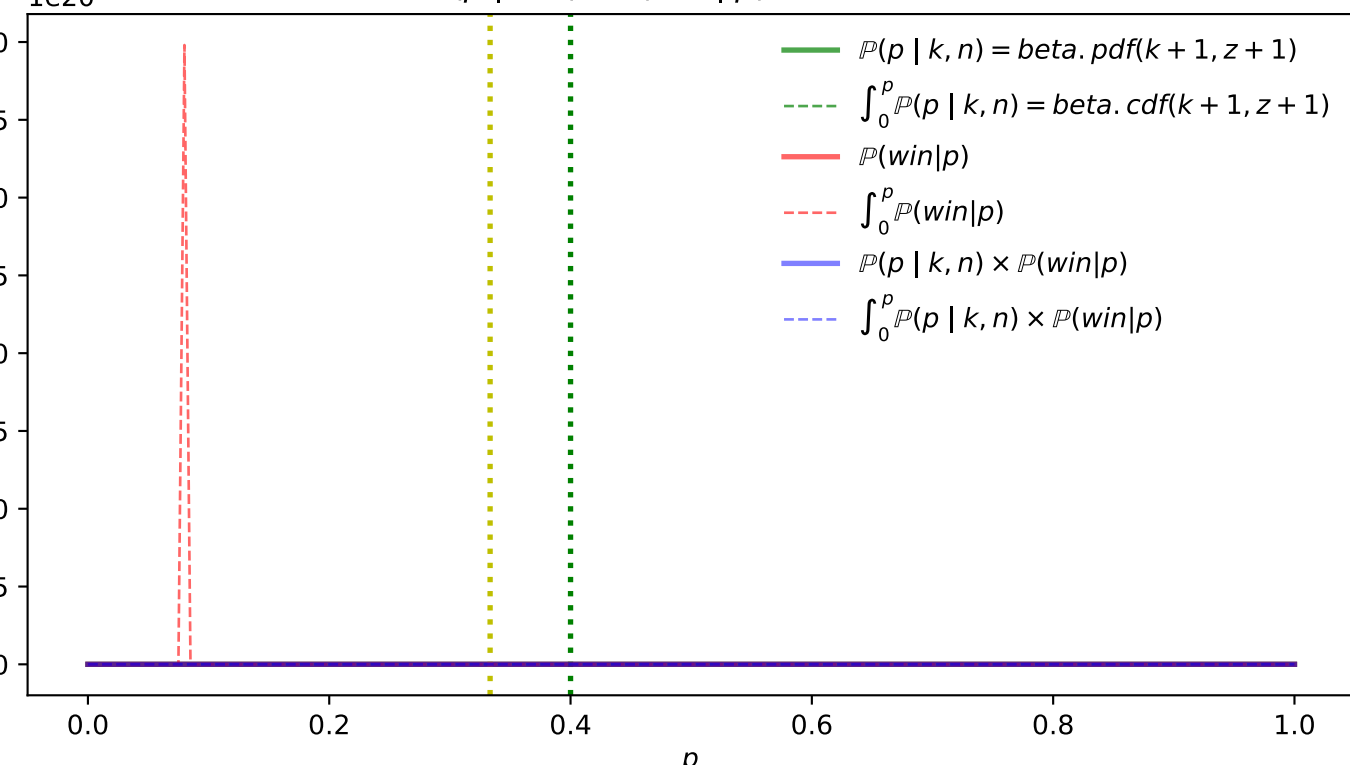
$k = 1, n = 2, b = 9, g = 6$
 $\hat{p} = 0.50, P(\text{win} \mid \hat{p}) = 1.50, \bar{p} = 0.50, P(\text{win} \mid \bar{p}) = 1.50$
 $P(p \mid k, n) \times P(\text{win} \mid p) = -181.24$



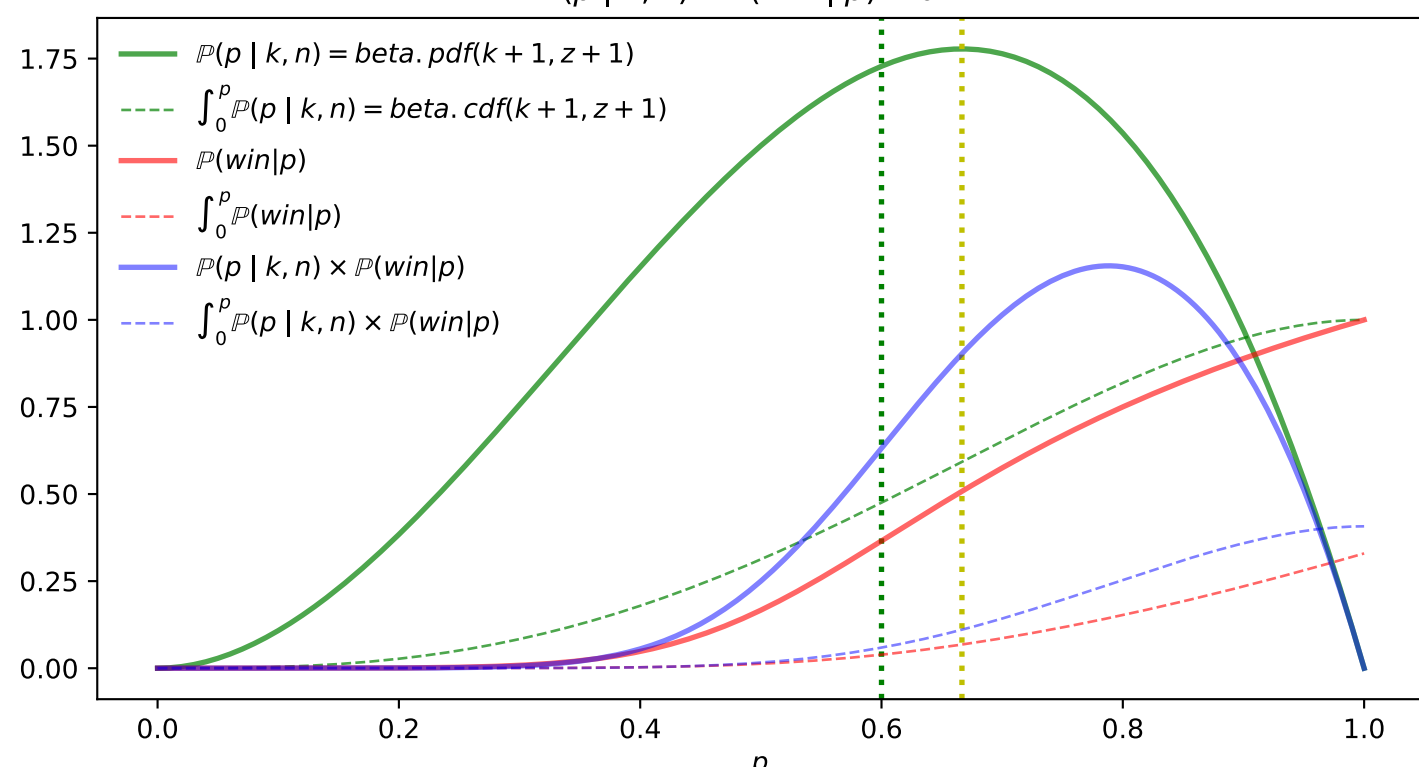
$k = 1, n = 3, b = 1, g = 6$
 $\hat{p} = 0.40, P(\text{win} \mid \hat{p}) = 0.05, \bar{p} = 0.33, P(\text{win} \mid \bar{p}) = 0.02$
 $P(p \mid k, n) \times P(\text{win} \mid p) = 0.16$



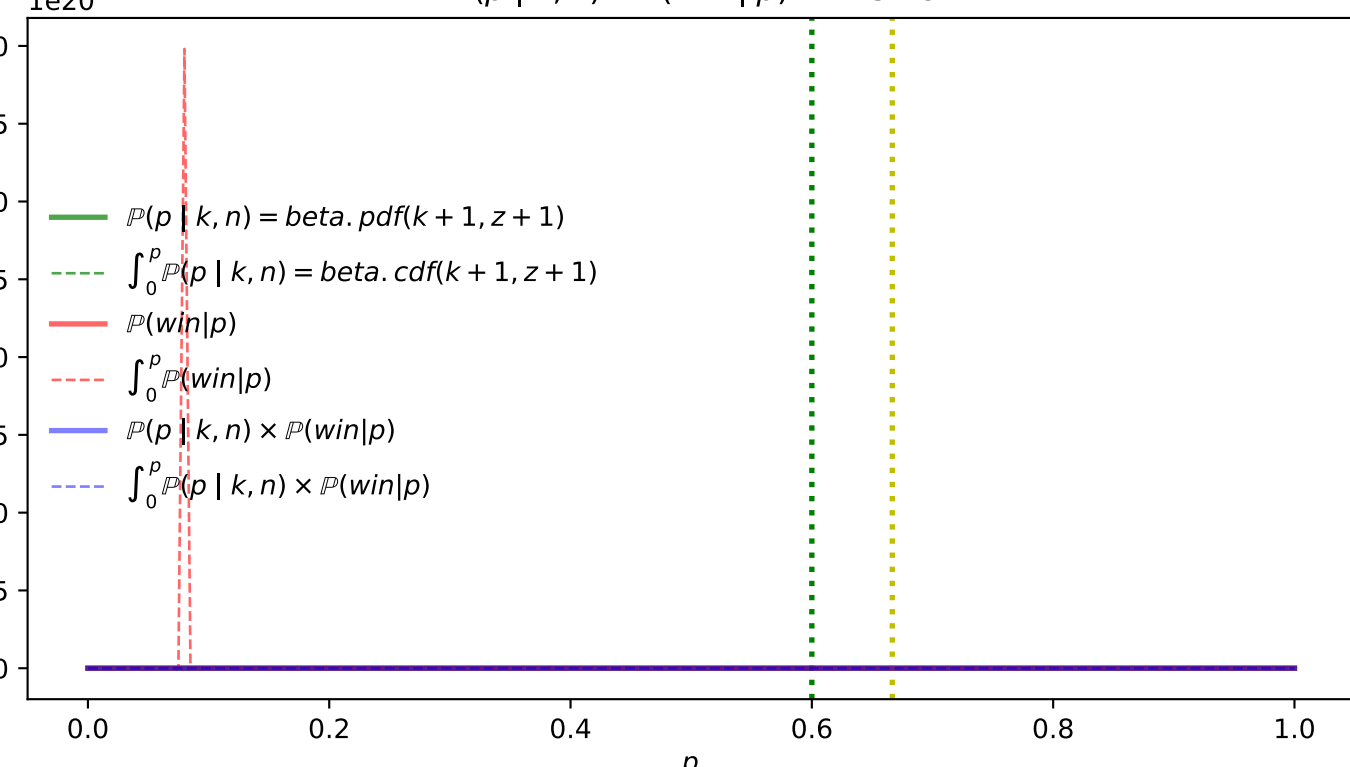
$k = 1, n = 3, b = 9, g = 6$
 $\hat{p} = 0.40, P(\text{win} \mid \hat{p}) = 3.60, \bar{p} = 0.33, P(\text{win} \mid \bar{p}) = 8.11$
 $P(p \mid k, n) \times P(\text{win} \mid p) = -439.02$



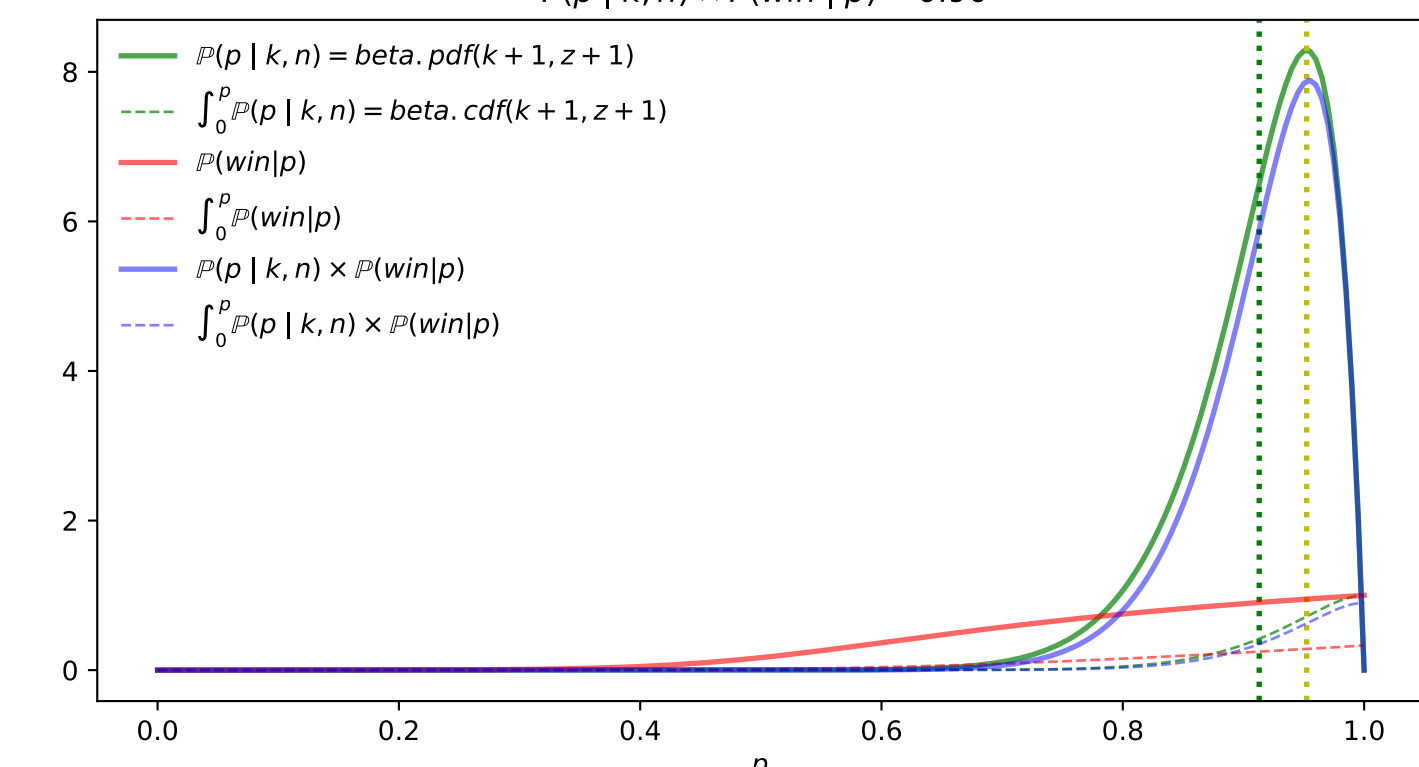
$k = 2, n = 3, b = 1, g = 6$
 $\hat{p} = 0.60, P(\text{win} \mid \hat{p}) = 0.37, \bar{p} = 0.67, P(\text{win} \mid \bar{p}) = 0.51$
 $P(p \mid k, n) \times P(\text{win} \mid p) = 0.41$



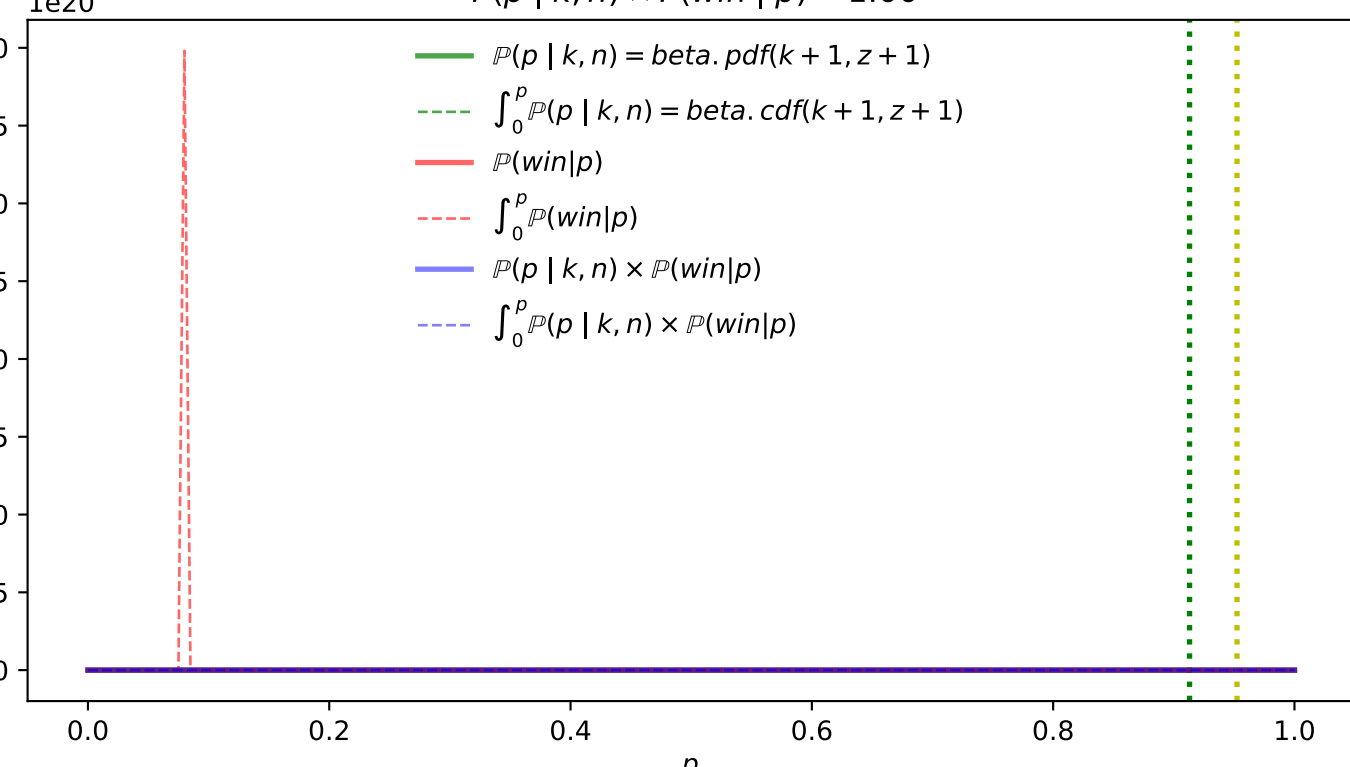
$k = 2, n = 3, b = 9, g = 6$
 $\hat{p} = 0.60, P(\text{win} \mid \hat{p}) = 1.07, \bar{p} = 0.67, P(\text{win} \mid \bar{p}) = 1.01$
 $P(p \mid k, n) \times P(\text{win} \mid p) = 475.78$



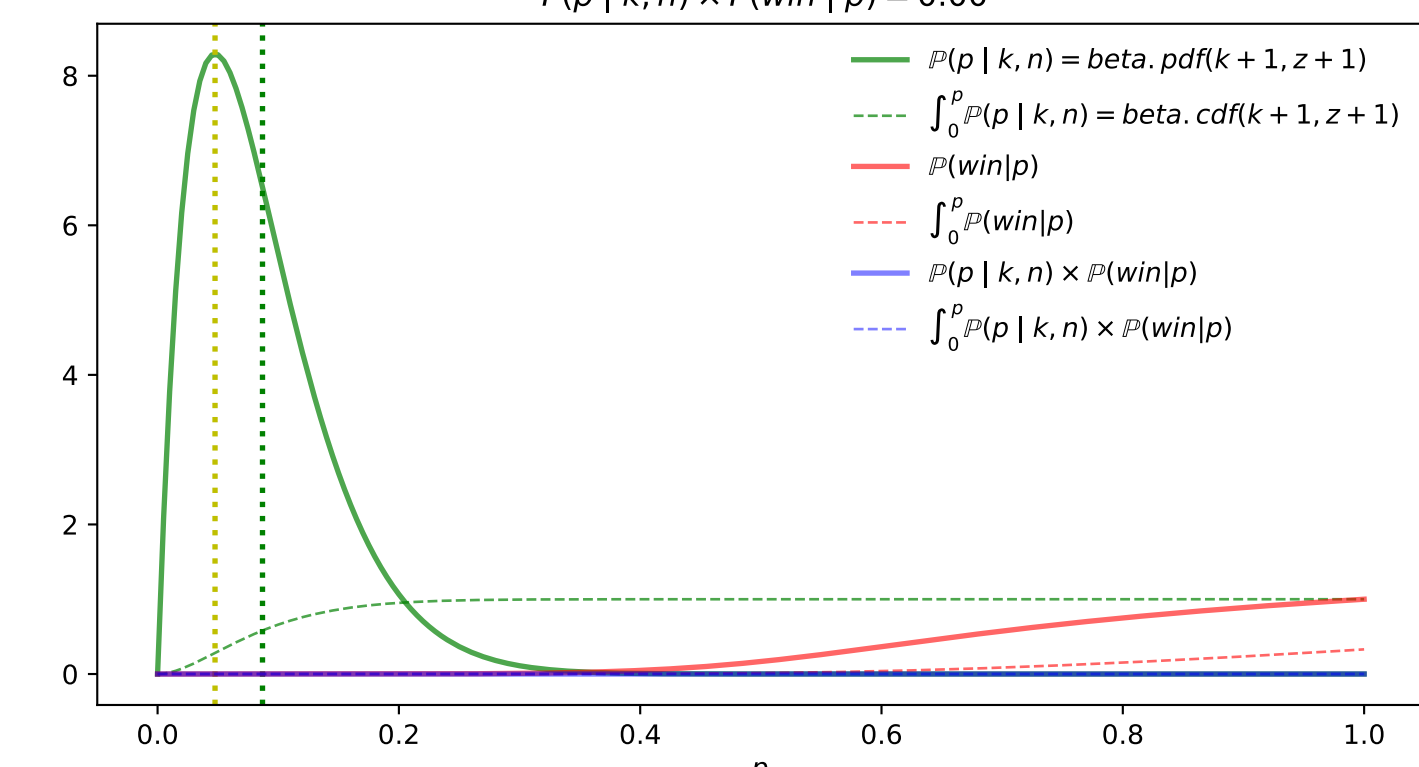
$k = 20, n = 21, b = 1, g = 6$
 $\hat{p} = 0.91, P(\text{win} \mid \hat{p}) = 0.90, \bar{p} = 0.95, P(\text{win} \mid \bar{p}) = 0.95$
 $P(p \mid k, n) \times P(\text{win} \mid p) = 0.90$



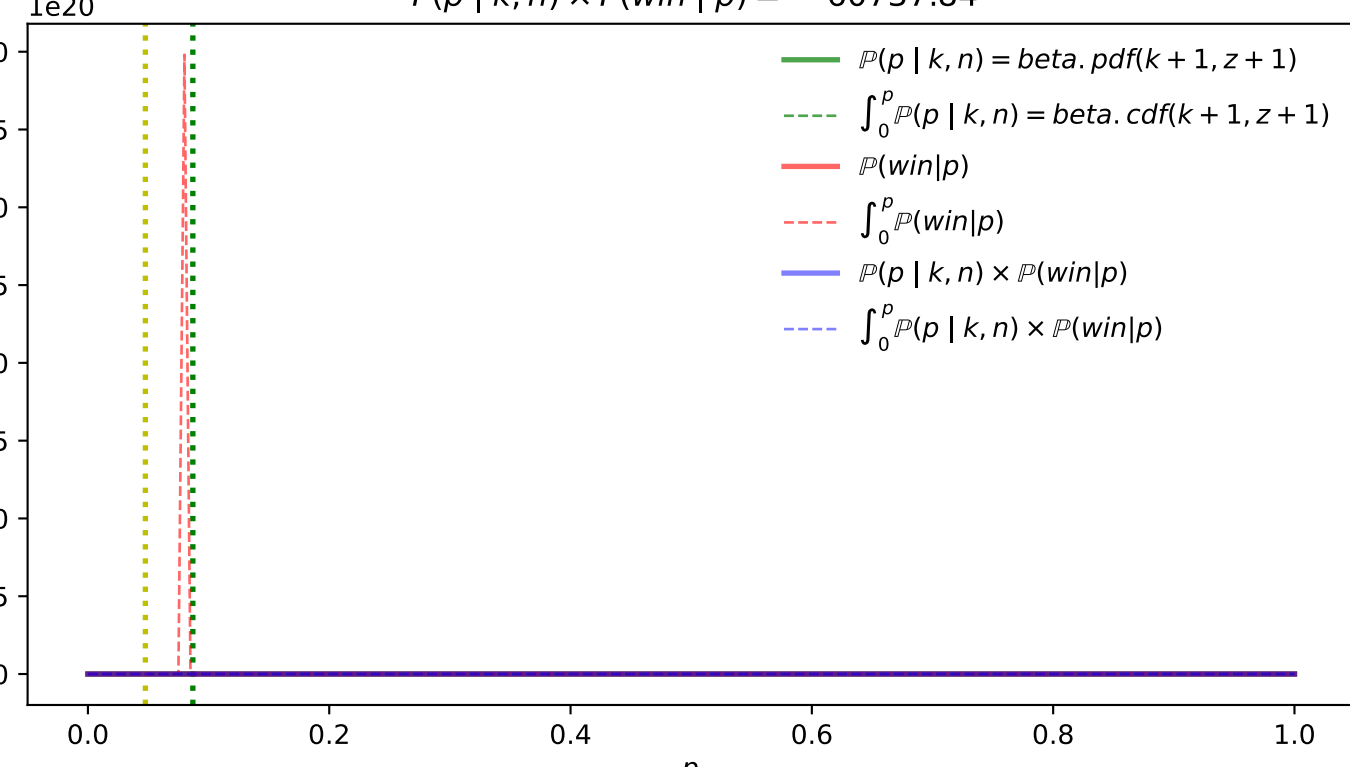
$k = 20, n = 21, b = 9, g = 6$
 $\hat{p} = 0.91, P(\text{win} \mid \hat{p}) = 1.00, \bar{p} = 0.95, P(\text{win} \mid \bar{p}) = 1.00$
 $P(p \mid k, n) \times P(\text{win} \mid p) = 1.00$



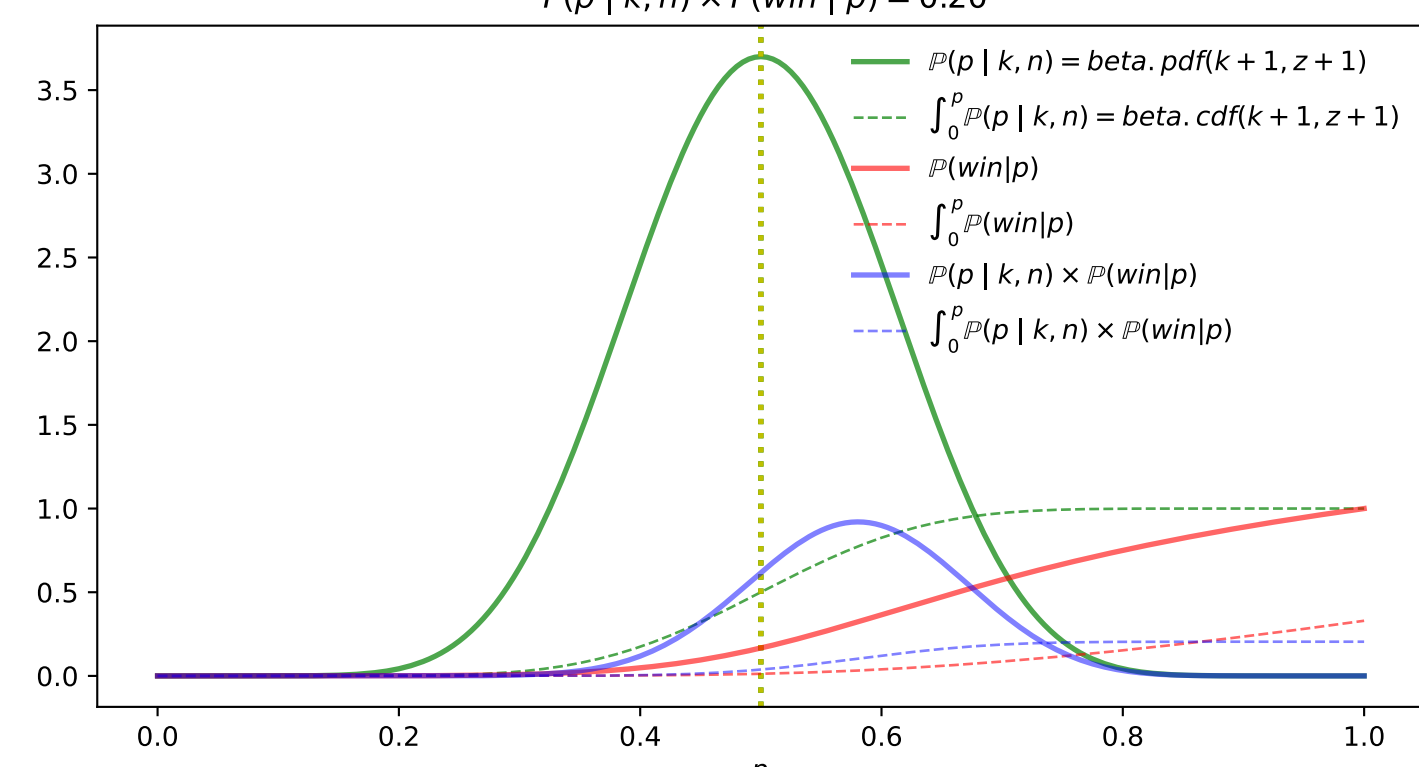
$k = 1, n = 21, b = 1, g = 6$
 $\hat{p} = 0.09, P(\text{win} \mid \hat{p}) = 0.00, \bar{p} = 0.05, P(\text{win} \mid \bar{p}) = 0.00$
 $P(p \mid k, n) \times P(\text{win} \mid p) = 0.00$



$k = 1, n = 21, b = 9, g = 6$
 $\hat{p} = 0.09, P(\text{win} \mid \hat{p}) = 1157.63, \bar{p} = 0.05, P(\text{win} \mid \bar{p}) = 8000.00$
 $P(p \mid k, n) \times P(\text{win} \mid p) = -60737.84$



$k = 10, n = 20, b = 1, g = 6$
 $\hat{p} = 0.50, P(\text{win} \mid \hat{p}) = 0.17, \bar{p} = 0.50, P(\text{win} \mid \bar{p}) = 0.17$
 $P(p \mid k, n) \times P(\text{win} \mid p) = 0.20$



$k = 10, n = 20, b = 9, g = 6$
 $\hat{p} = 0.50, P(\text{win} \mid \hat{p}) = 1.50, \bar{p} = 0.50, P(\text{win} \mid \bar{p}) = 1.50$
 $P(p \mid k, n) \times P(\text{win} \mid p) = 2.88$

