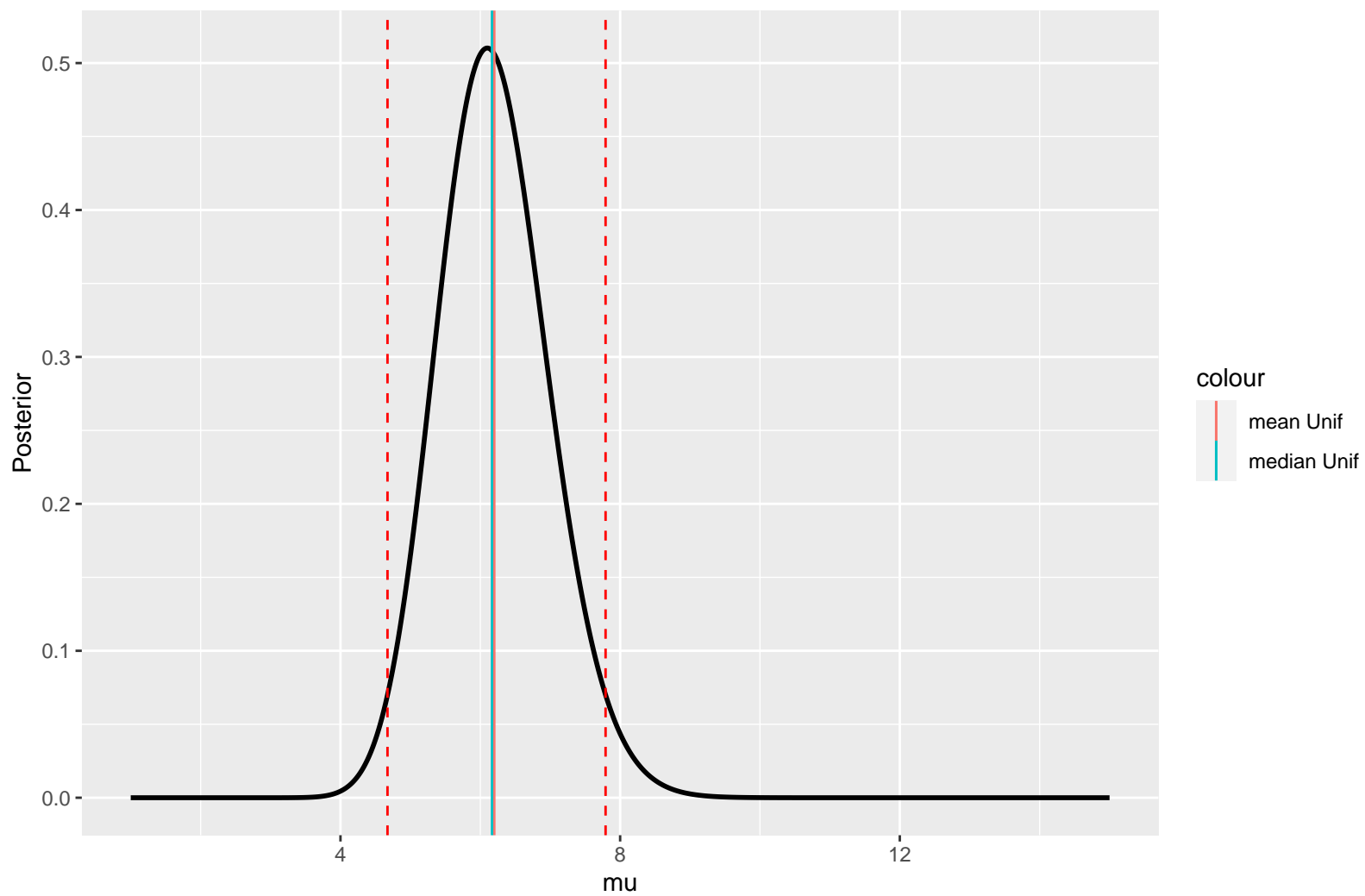
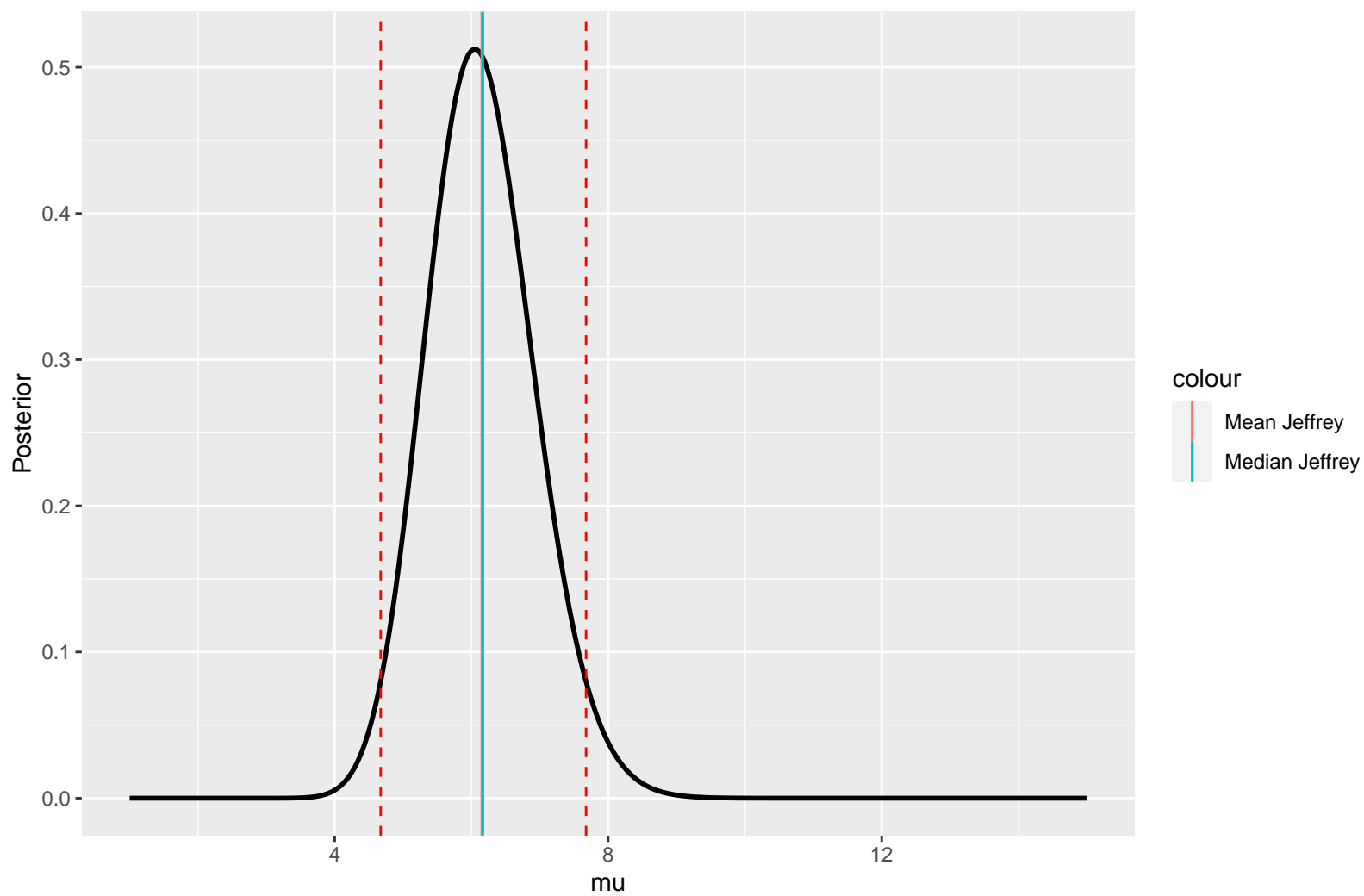


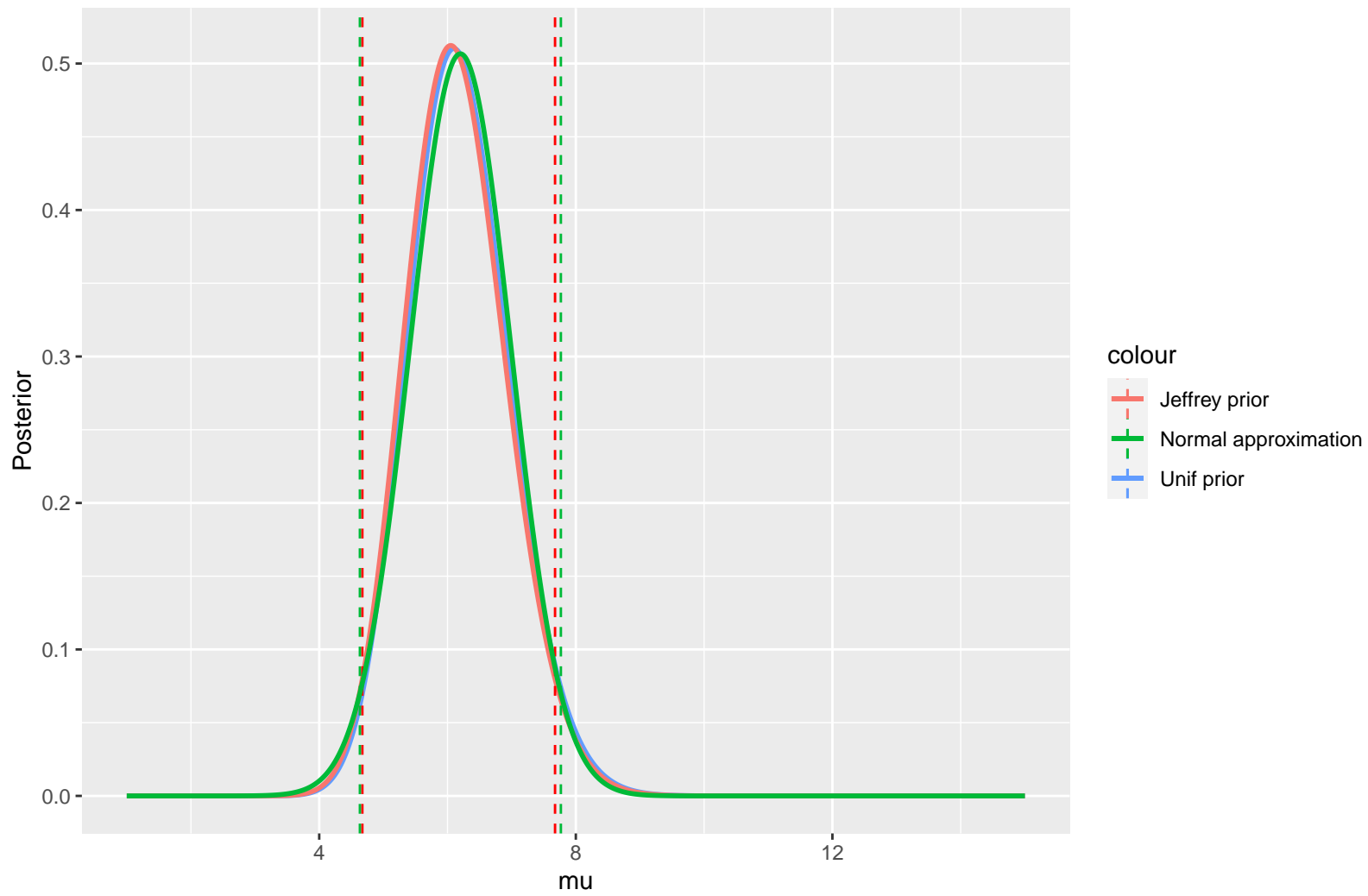
Ex 1.1) Posterior w/ uniform prior



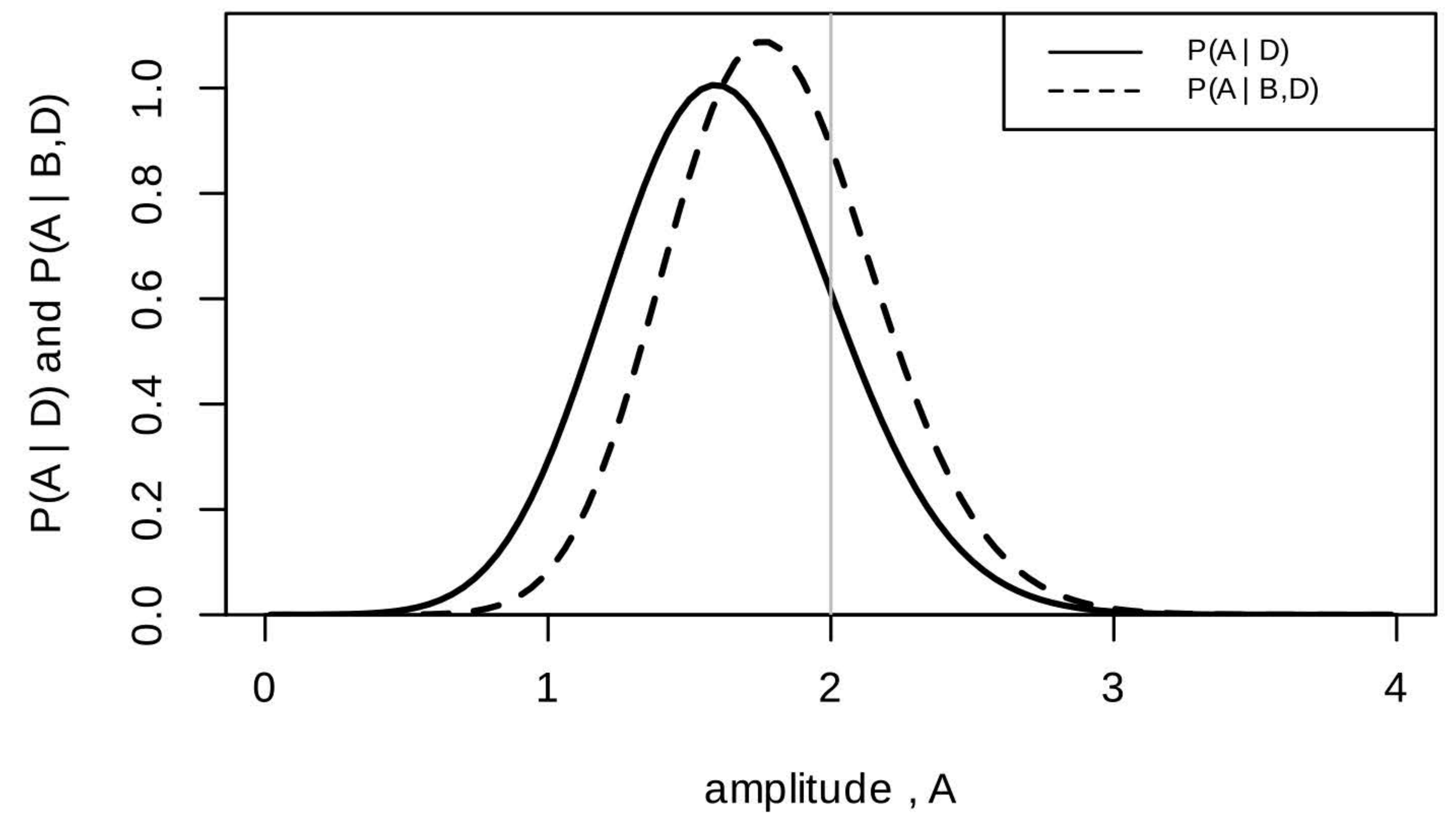
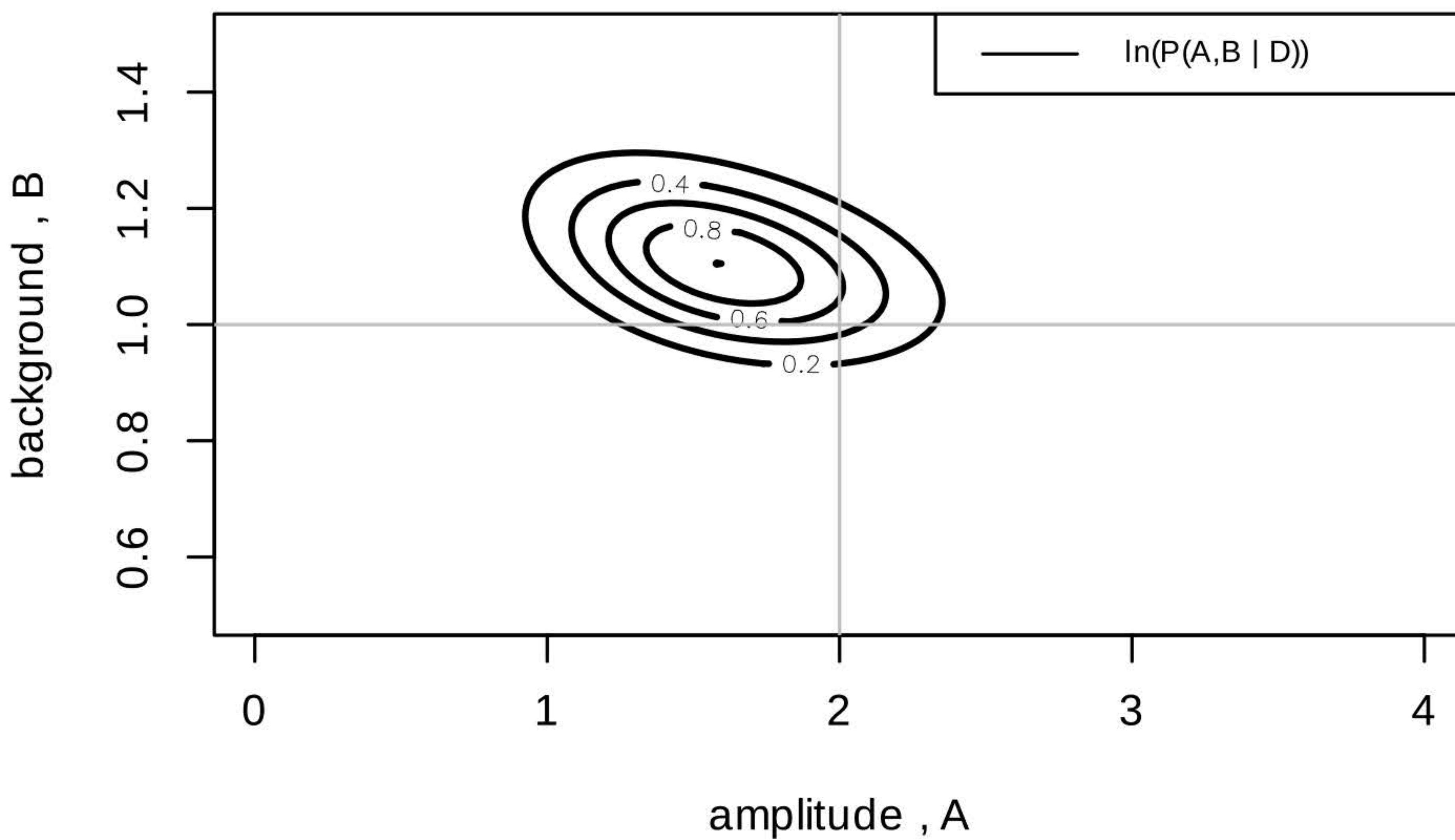
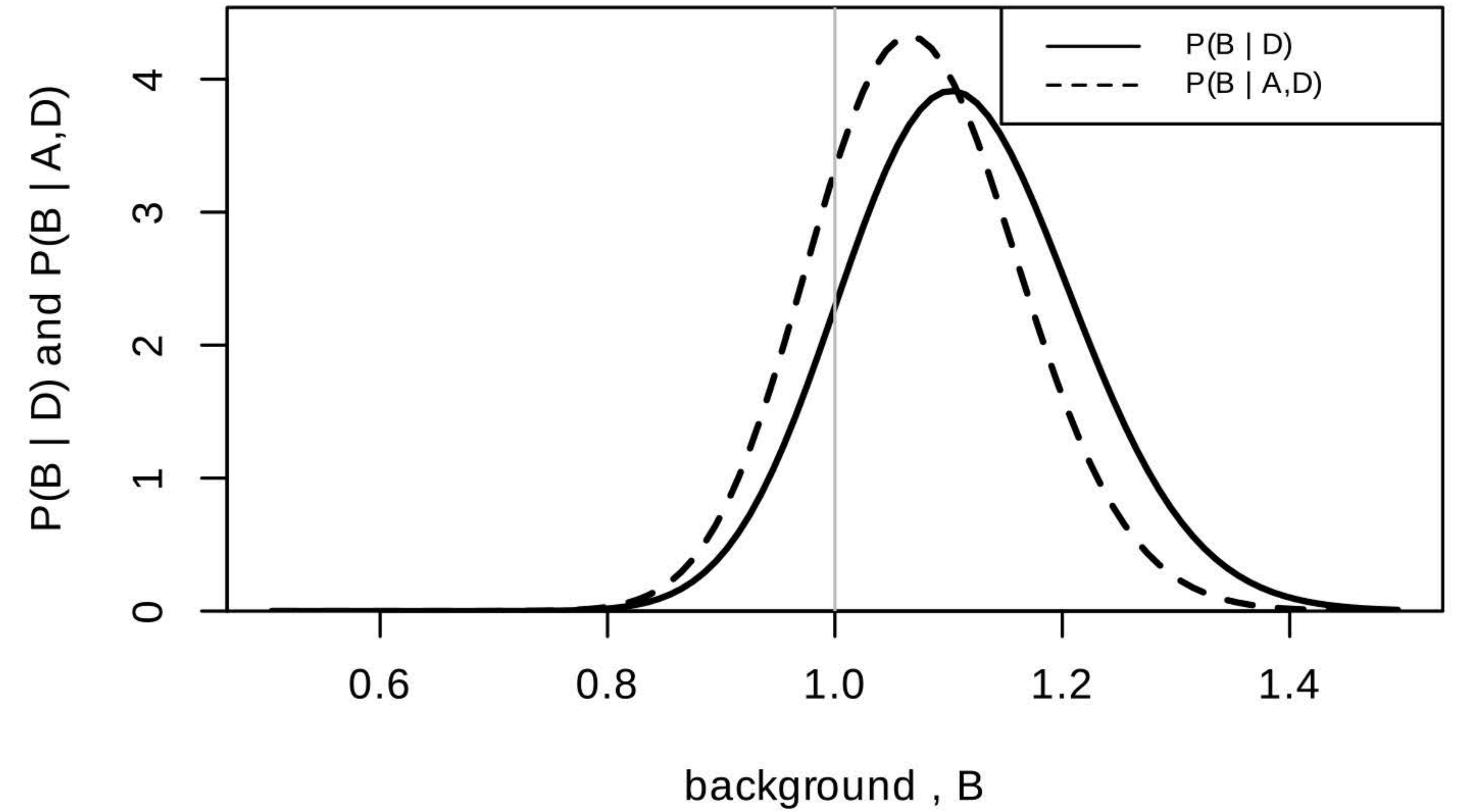
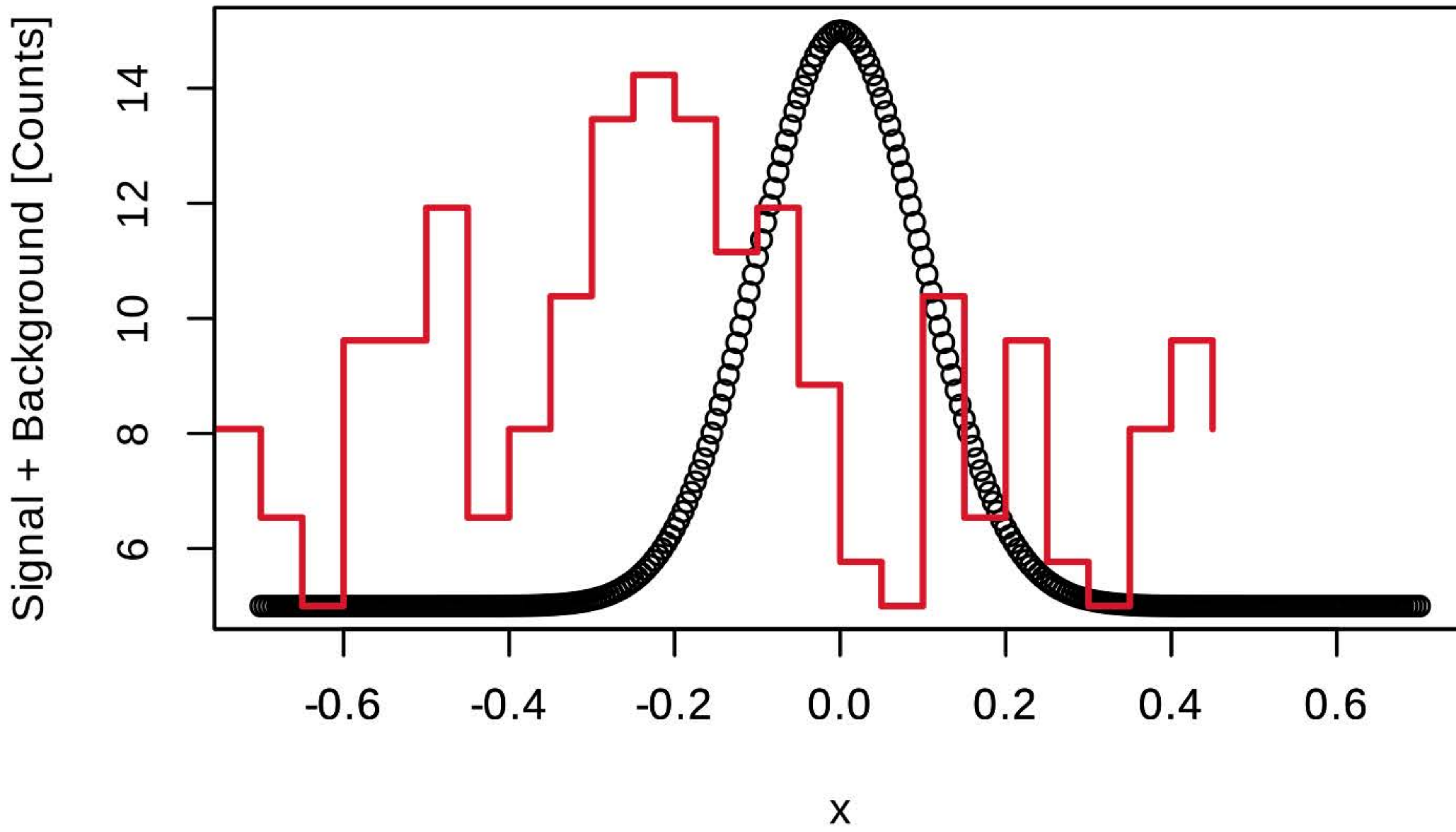
Ex 1.2) Posterior w/ Jeffrey's prior



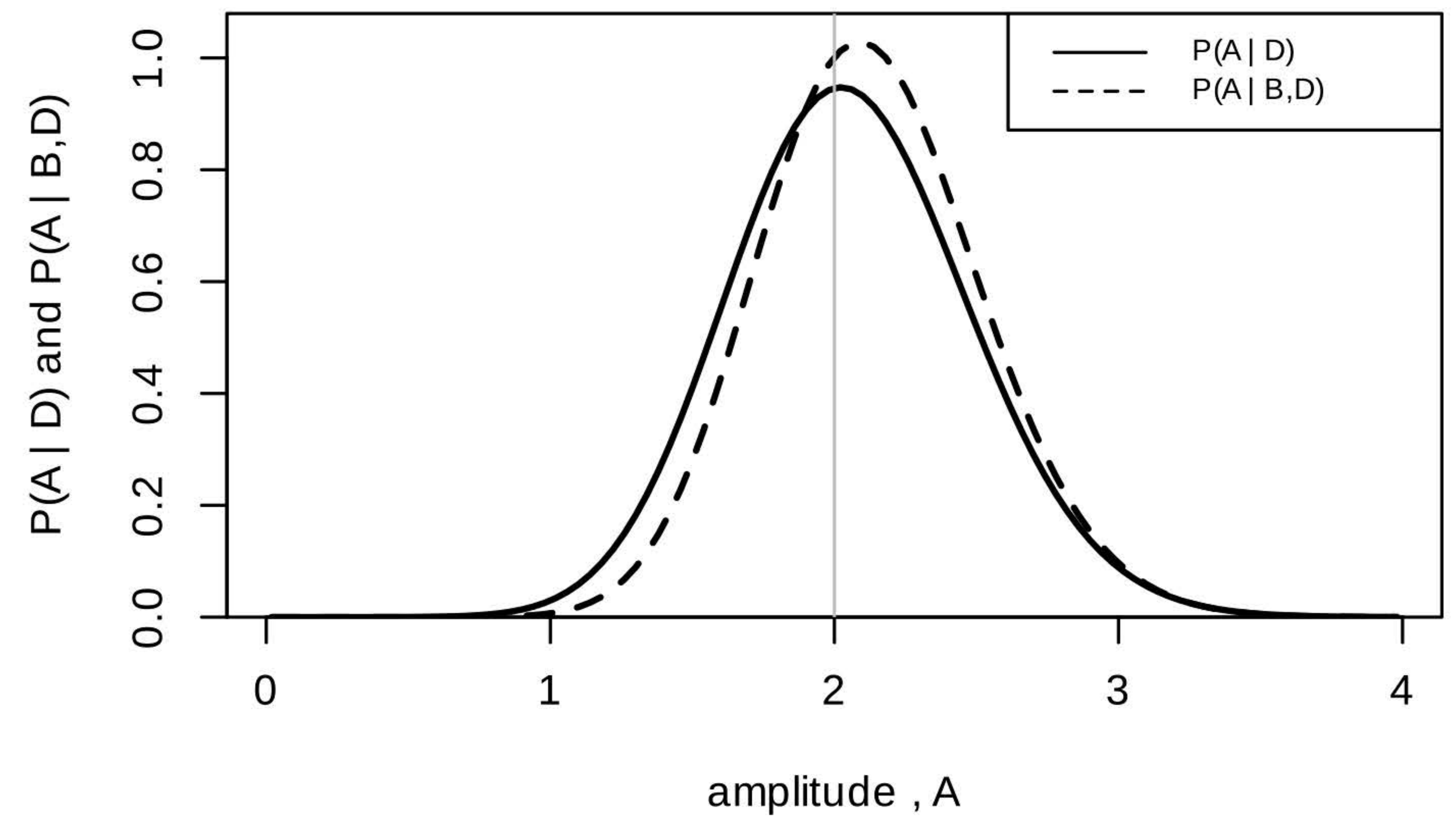
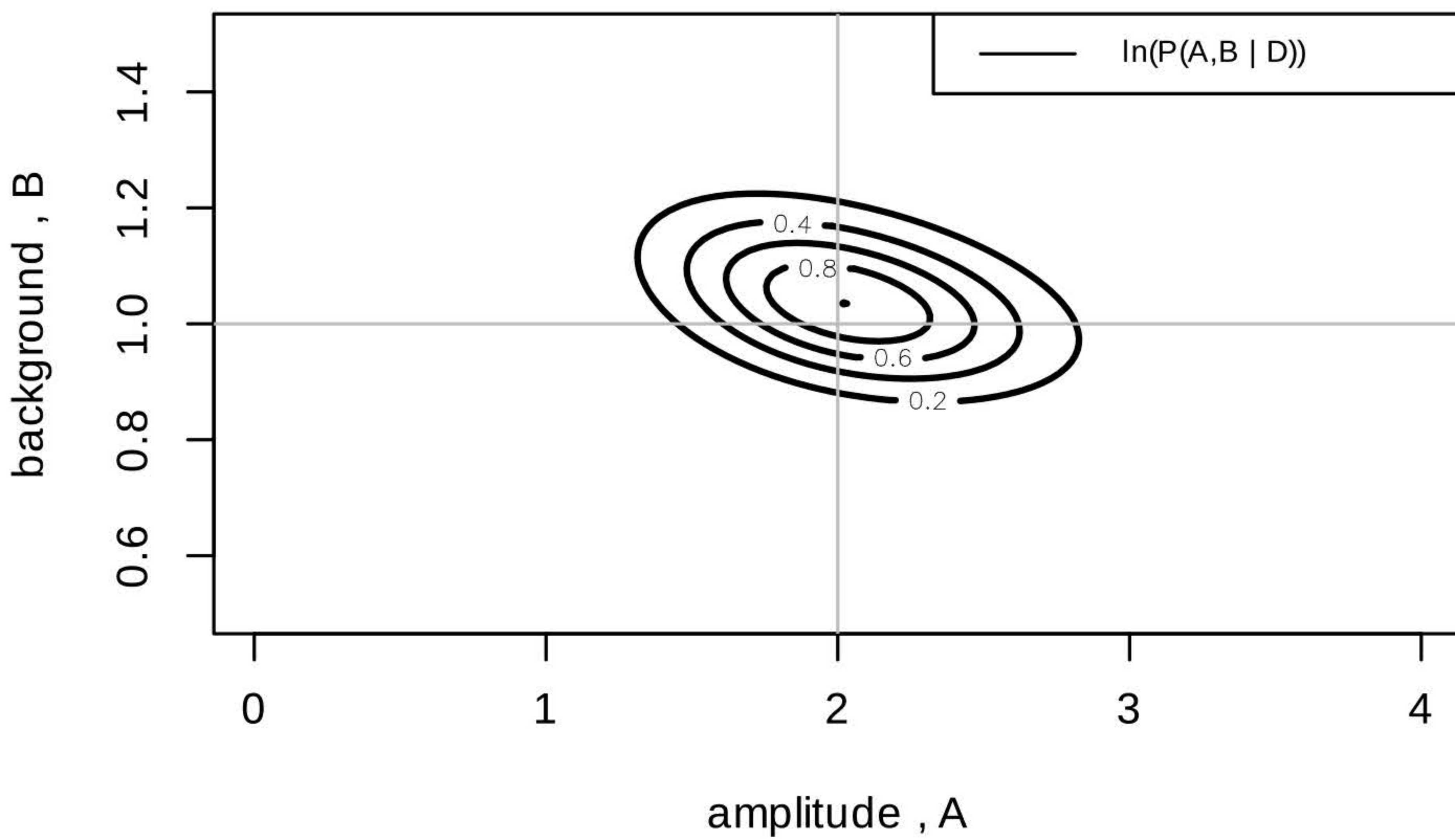
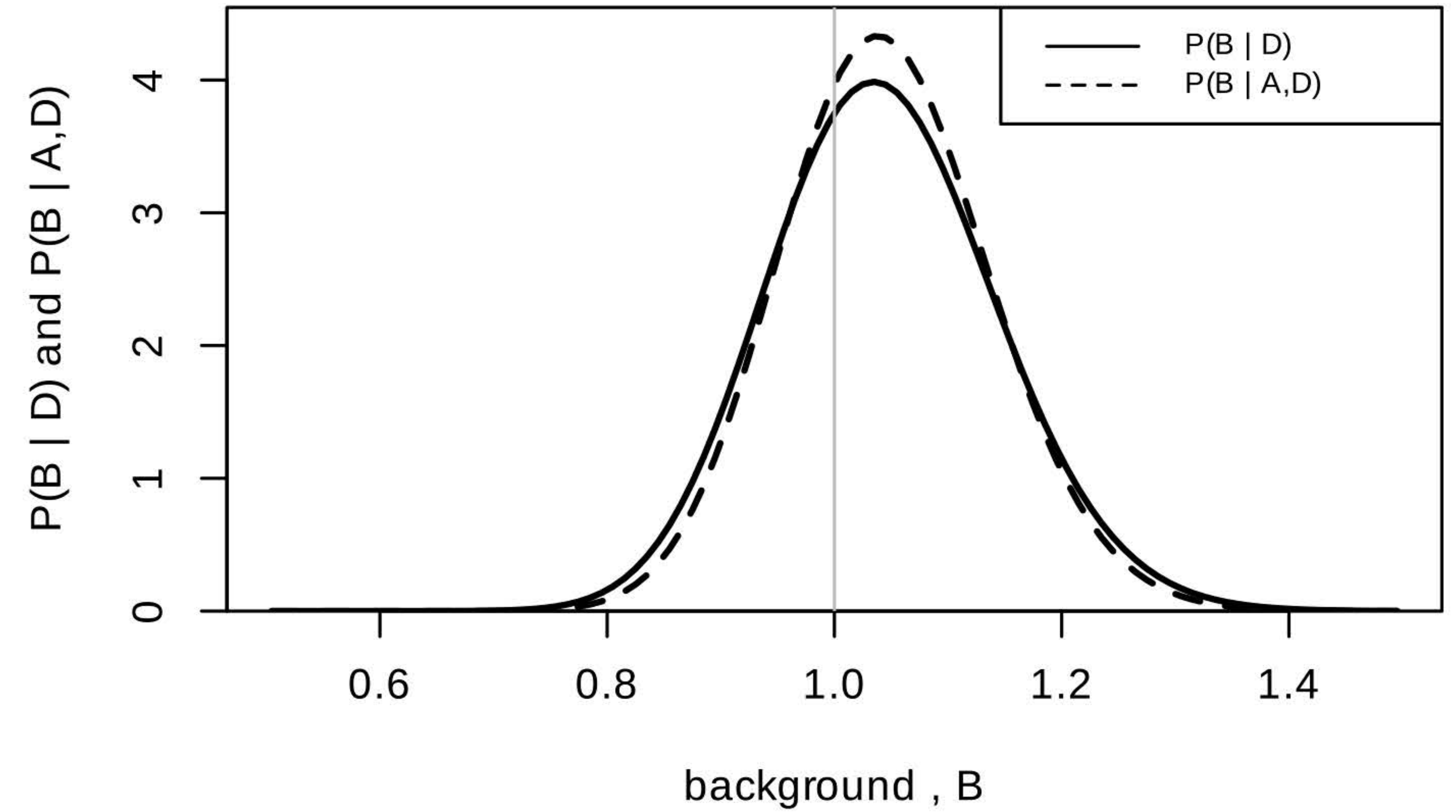
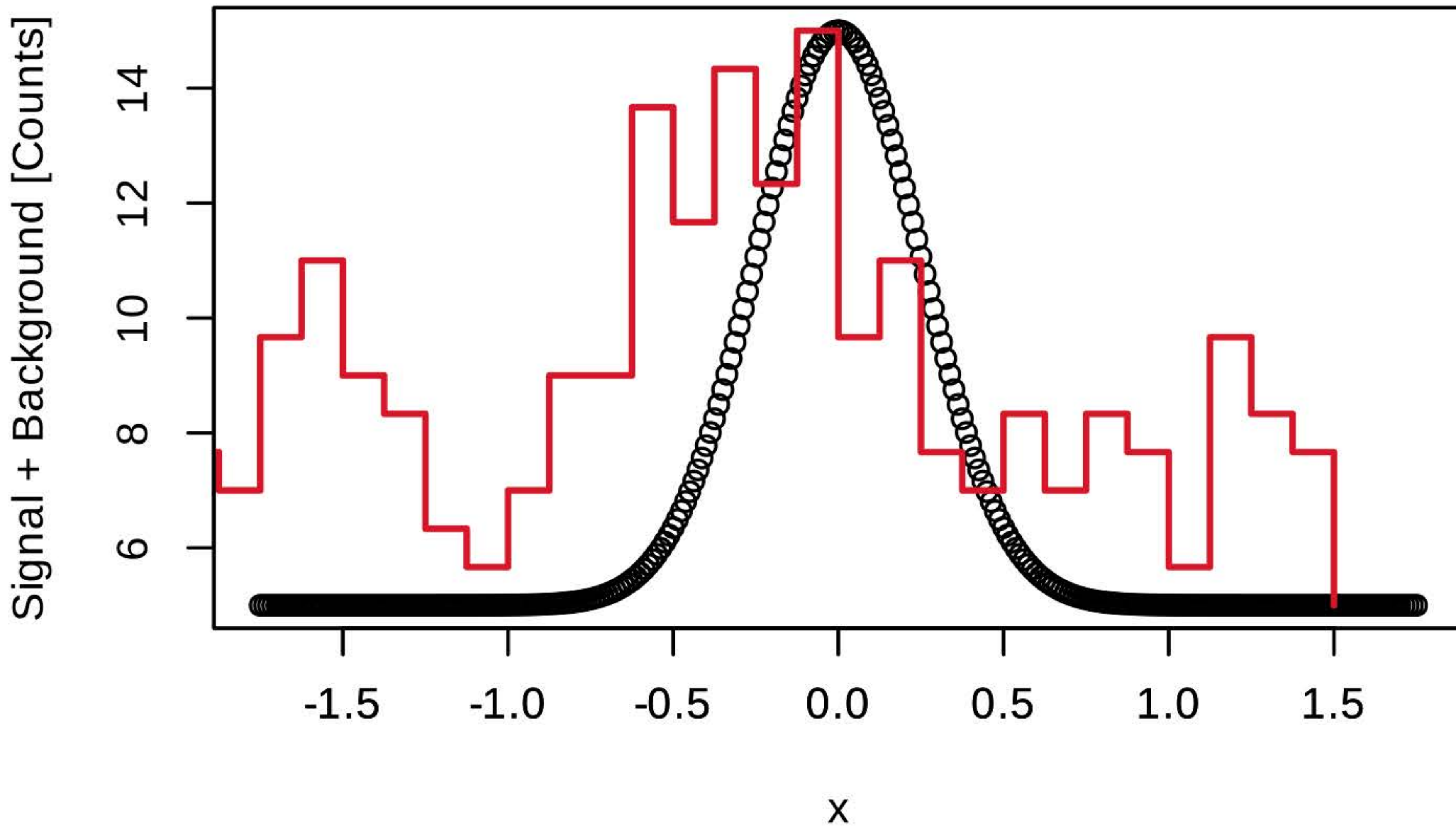
Ex 1.3) Normal approximation



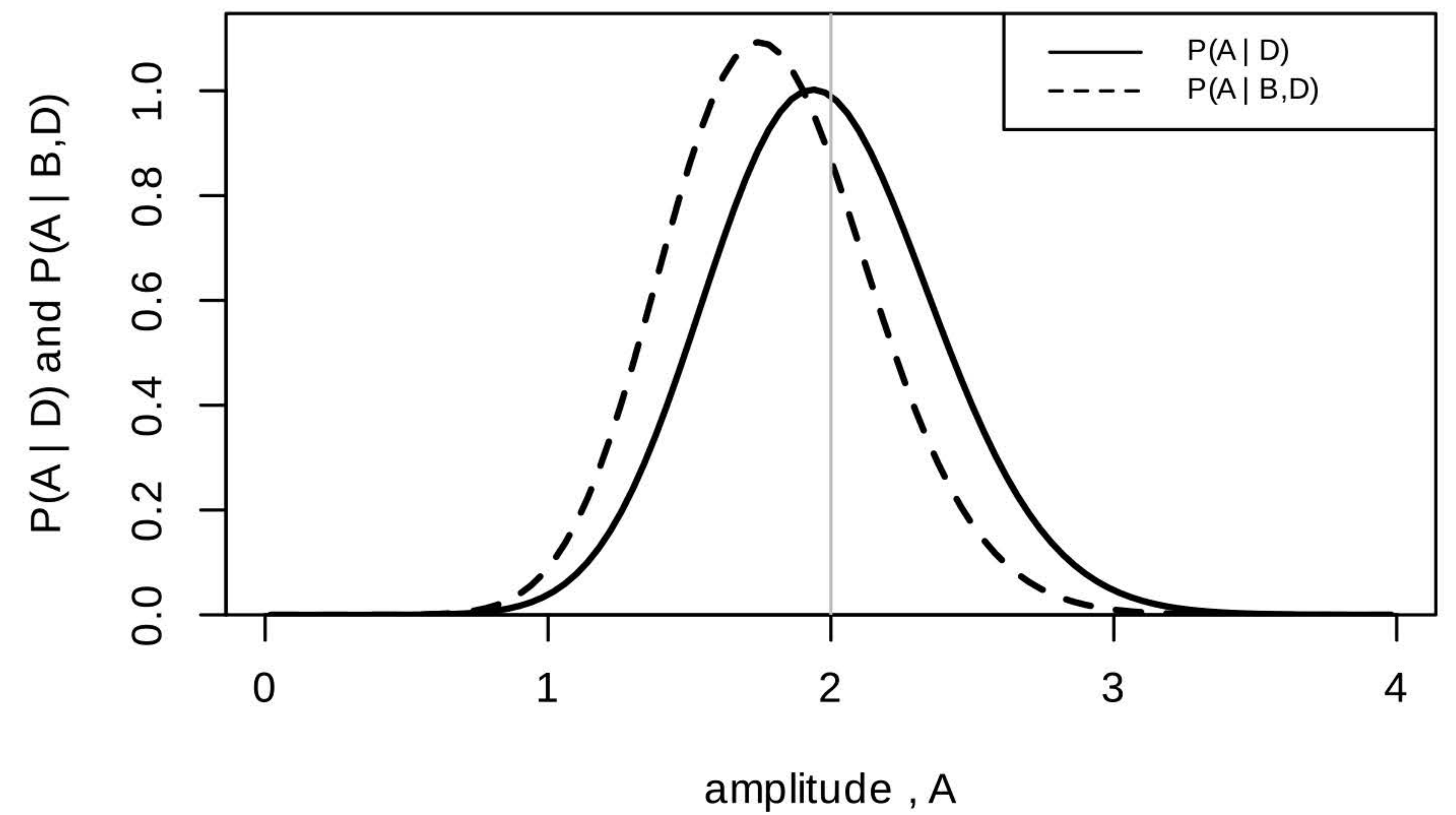
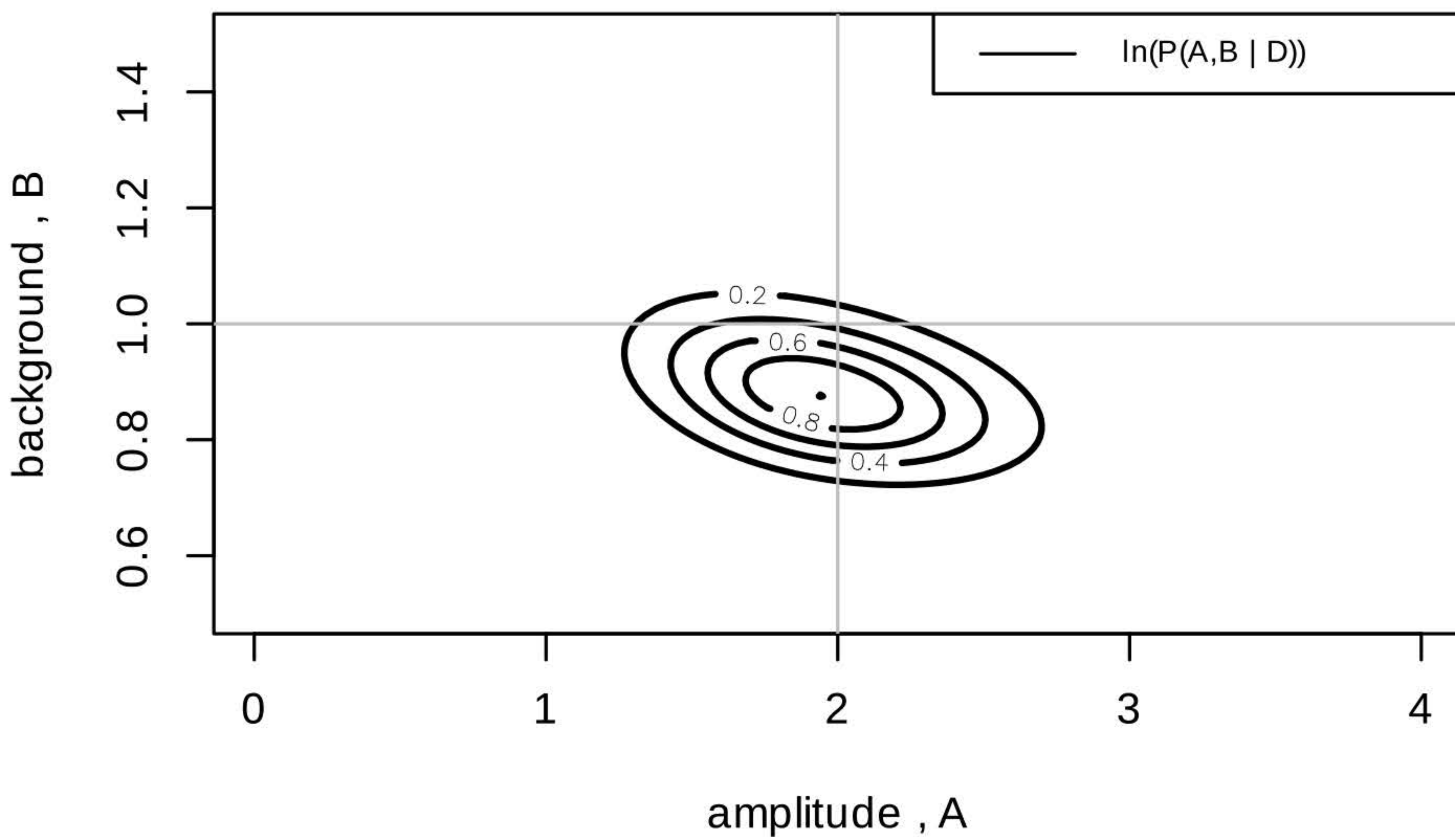
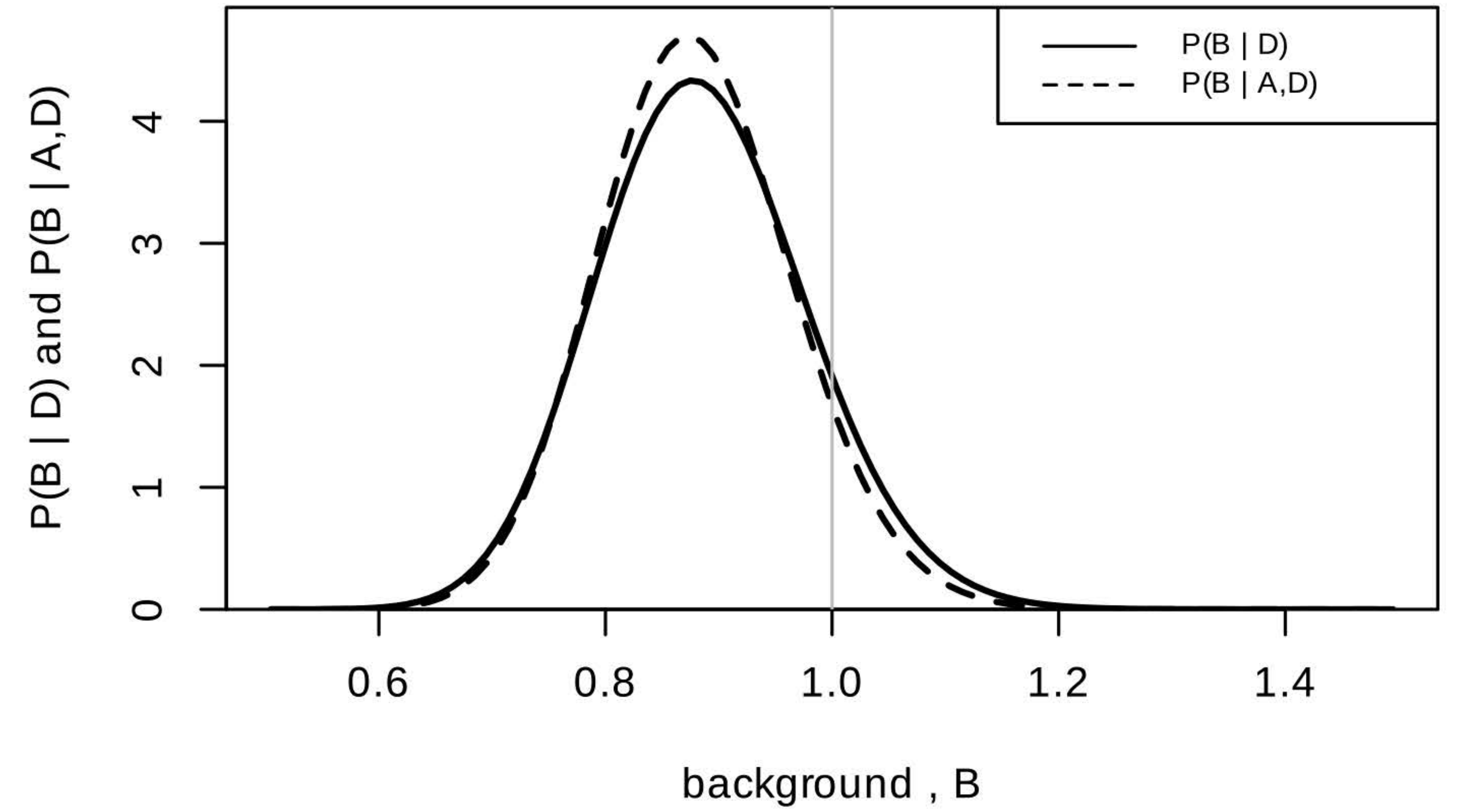
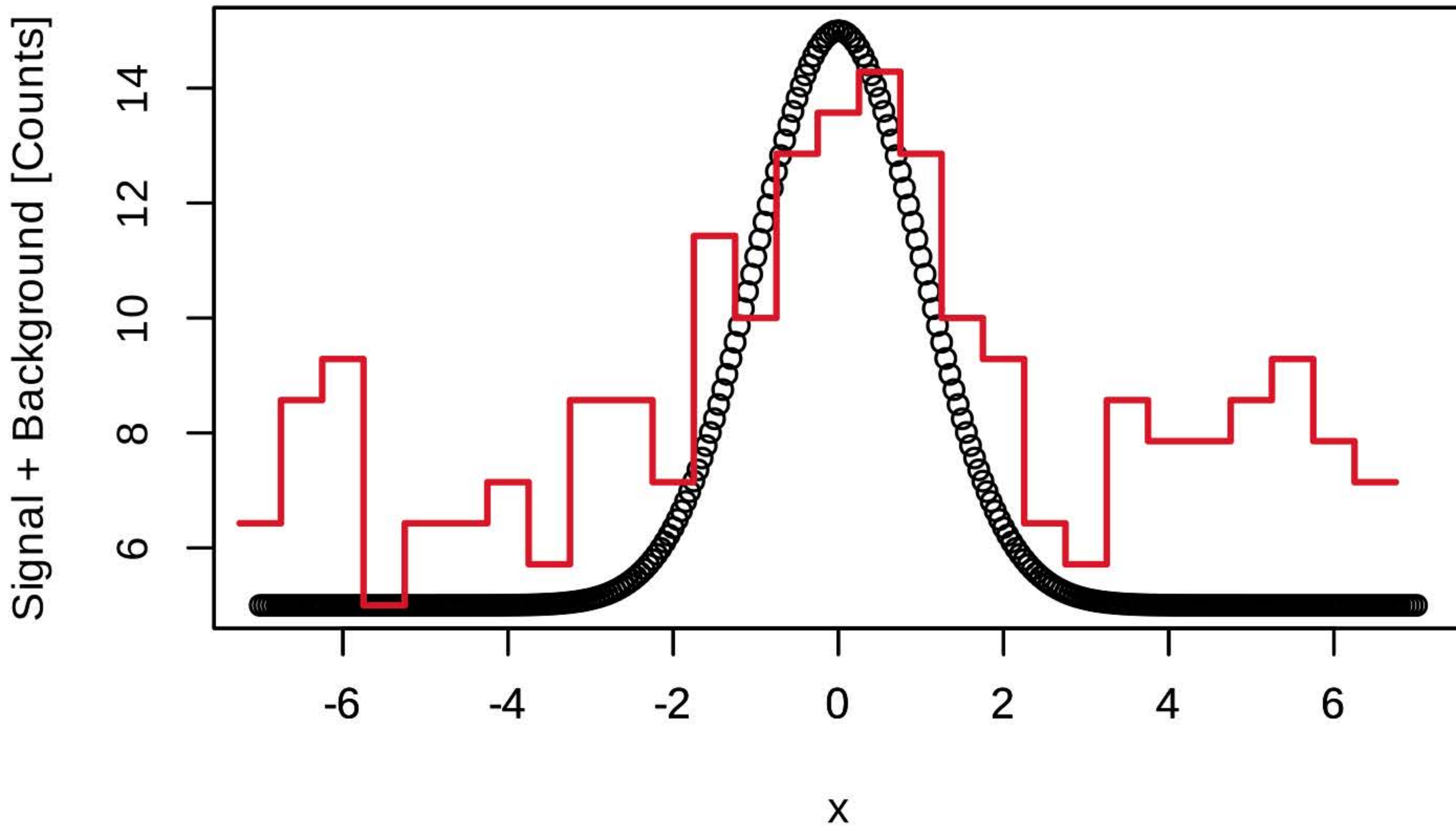
Signal width: 0.1



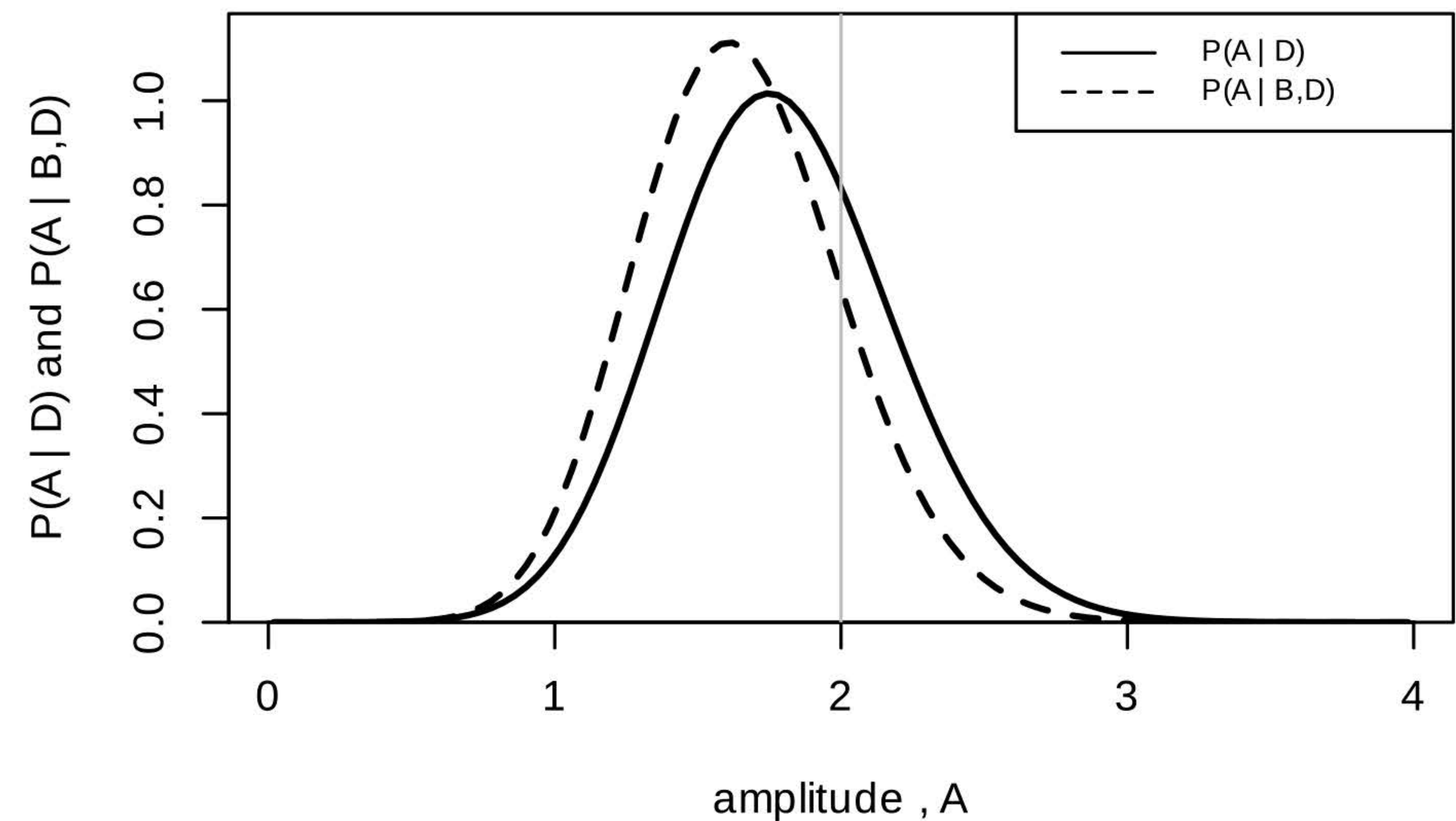
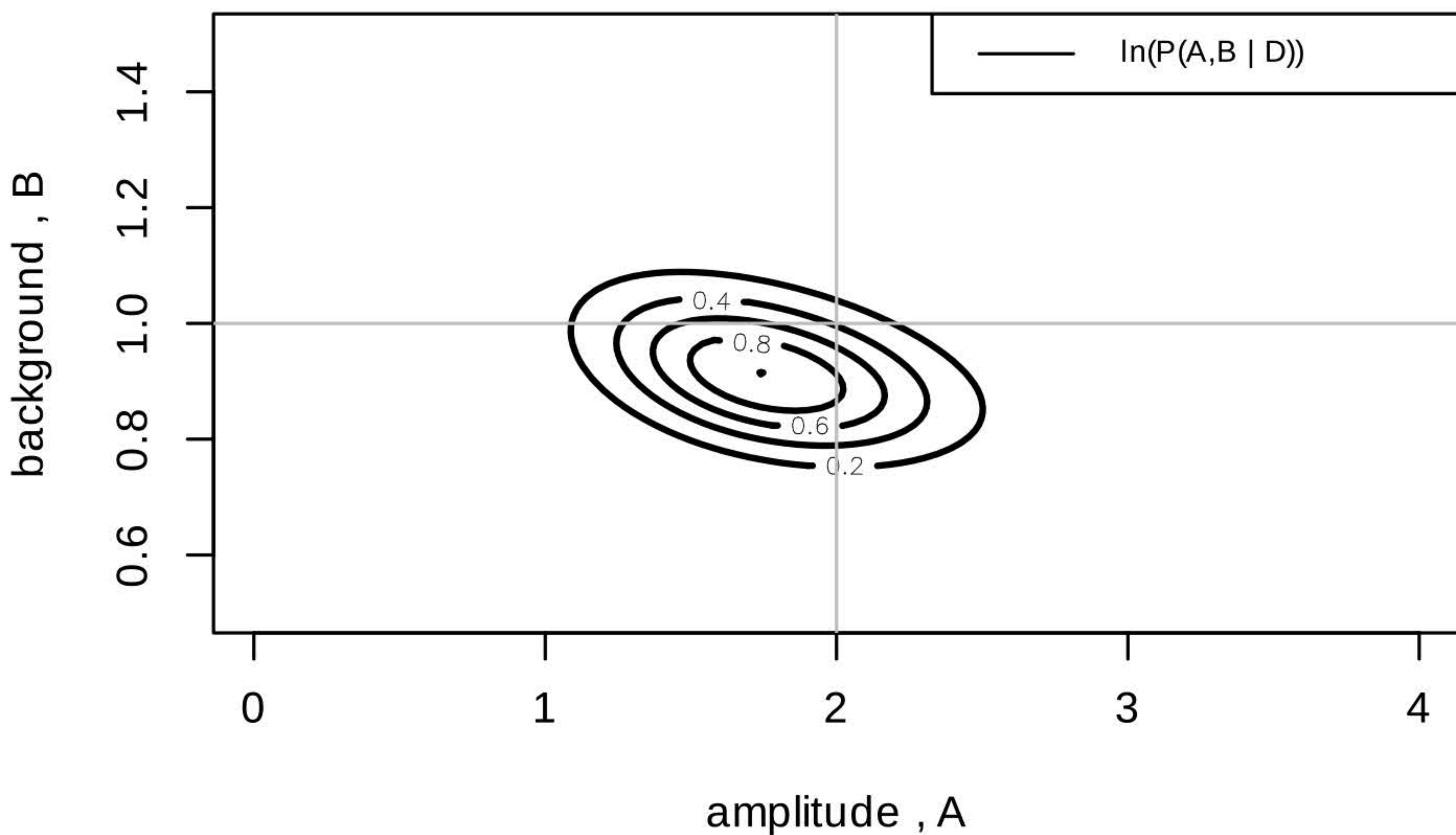
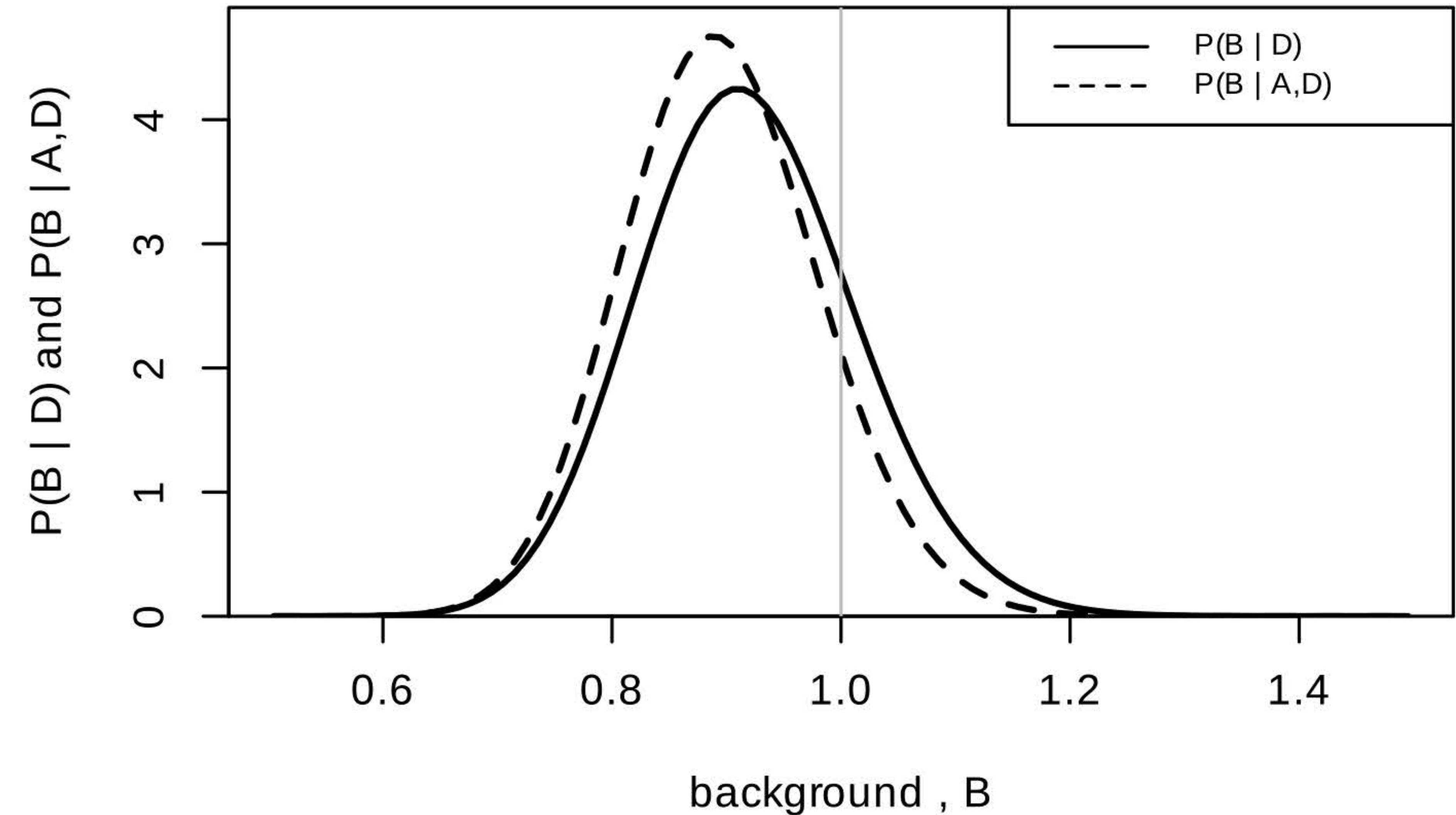
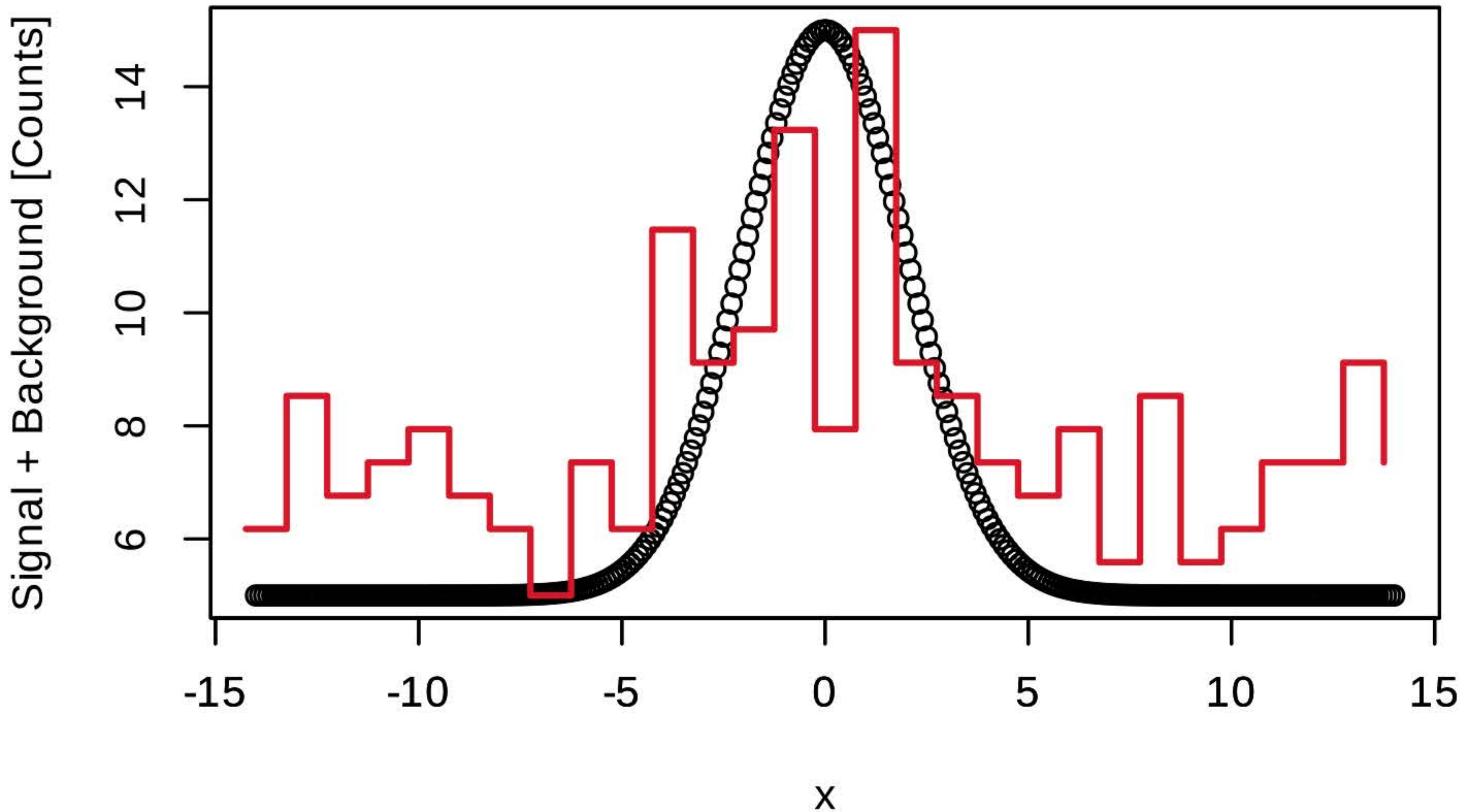
Signal width: 0.25



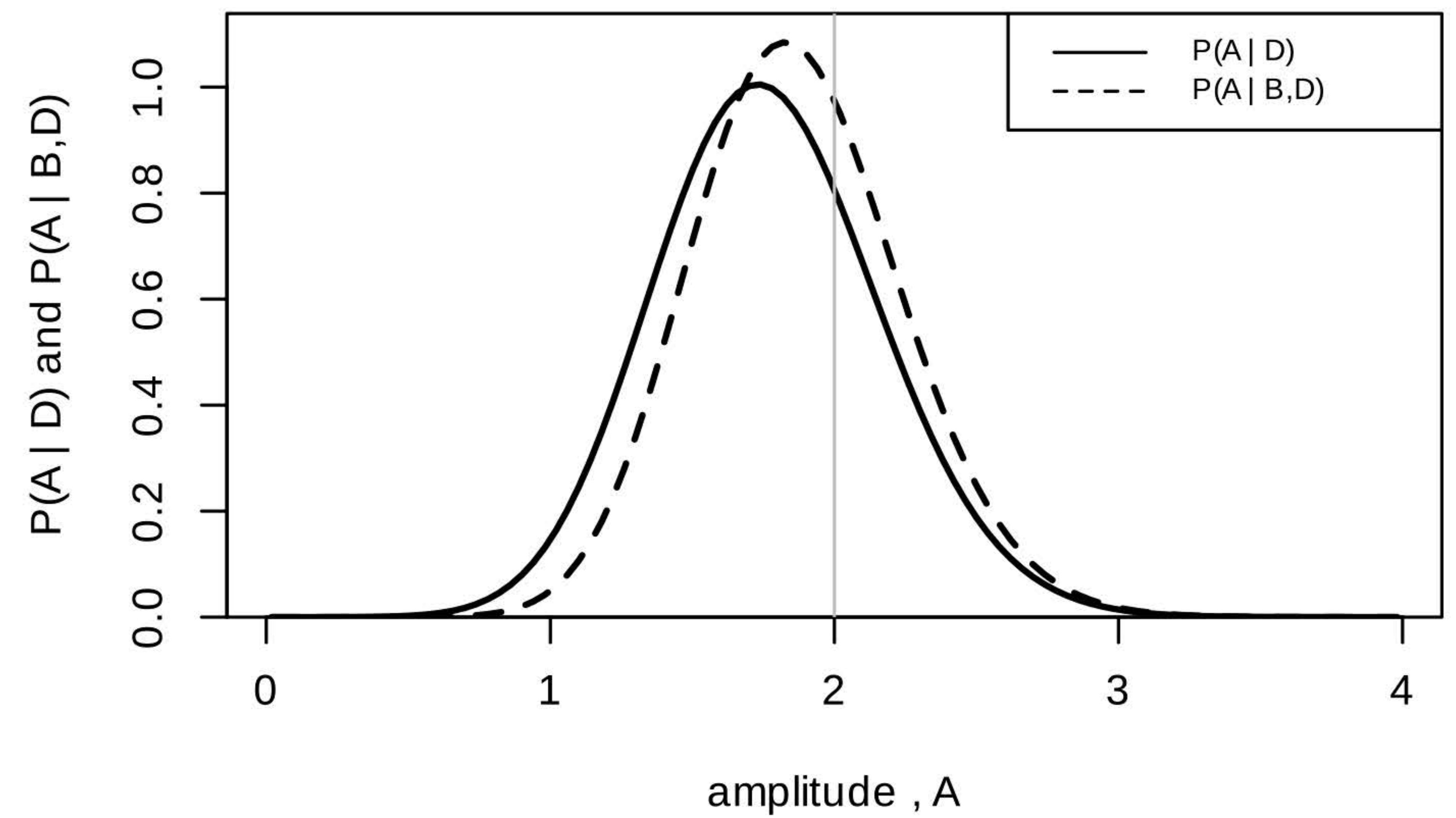
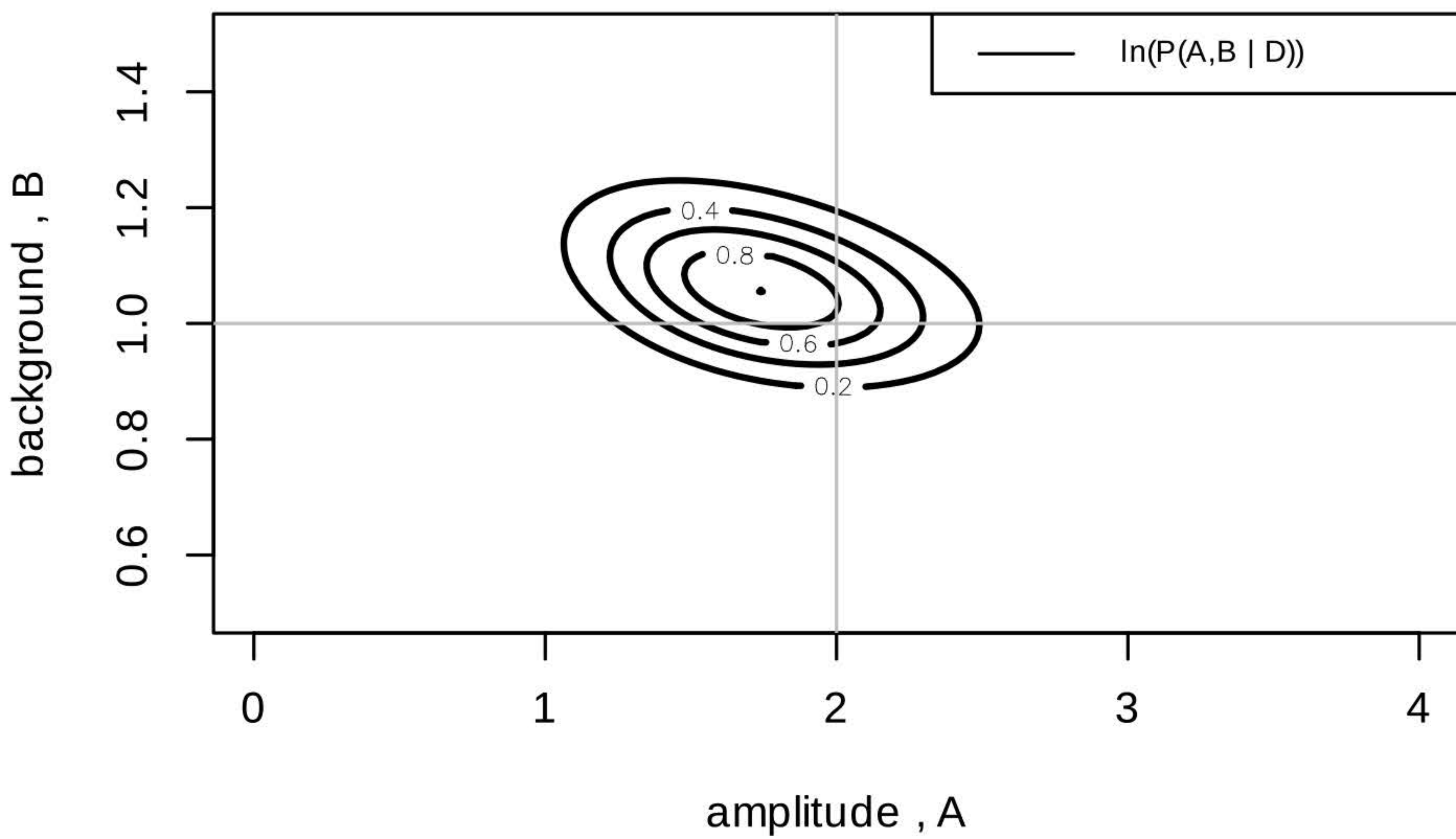
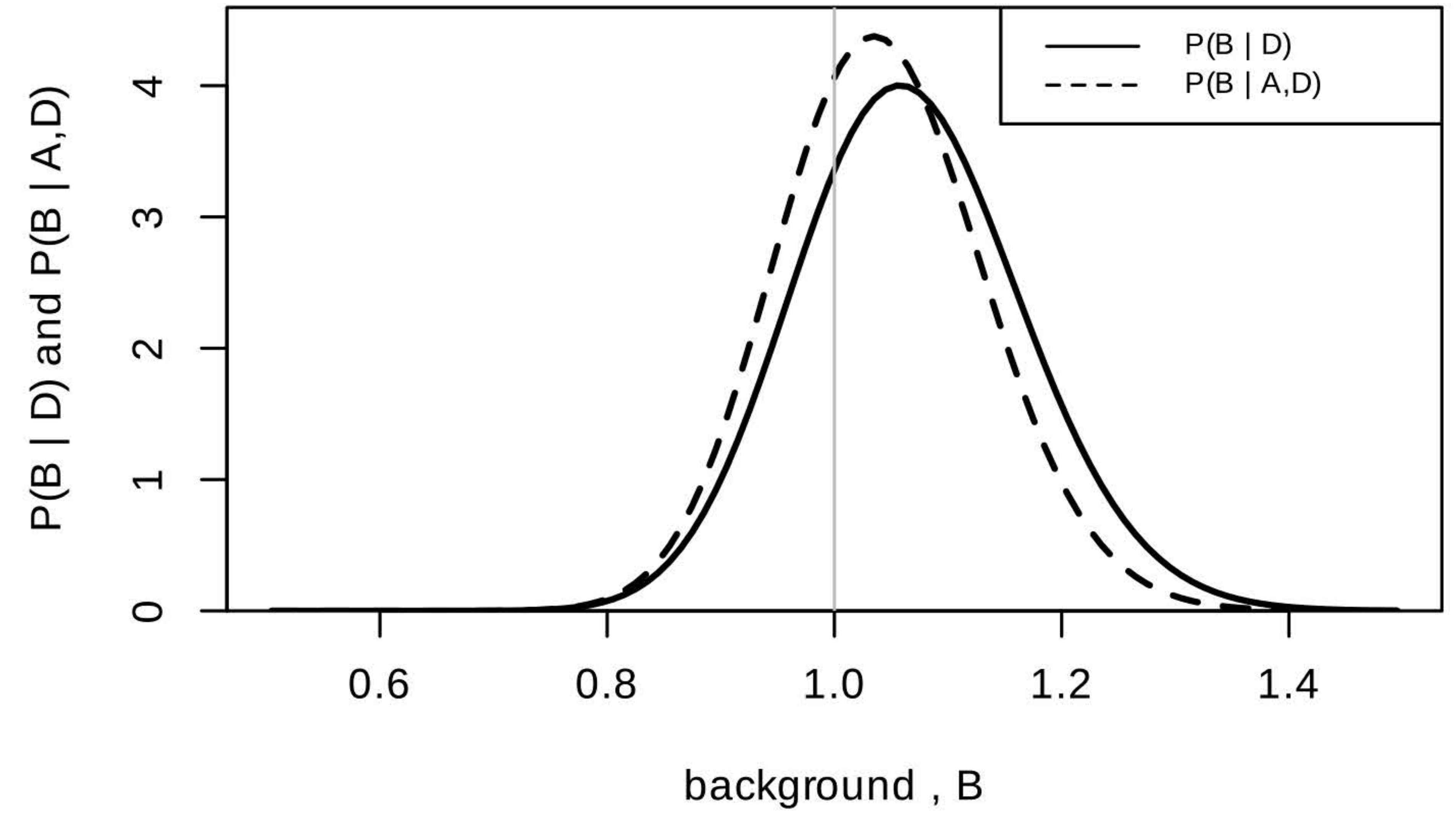
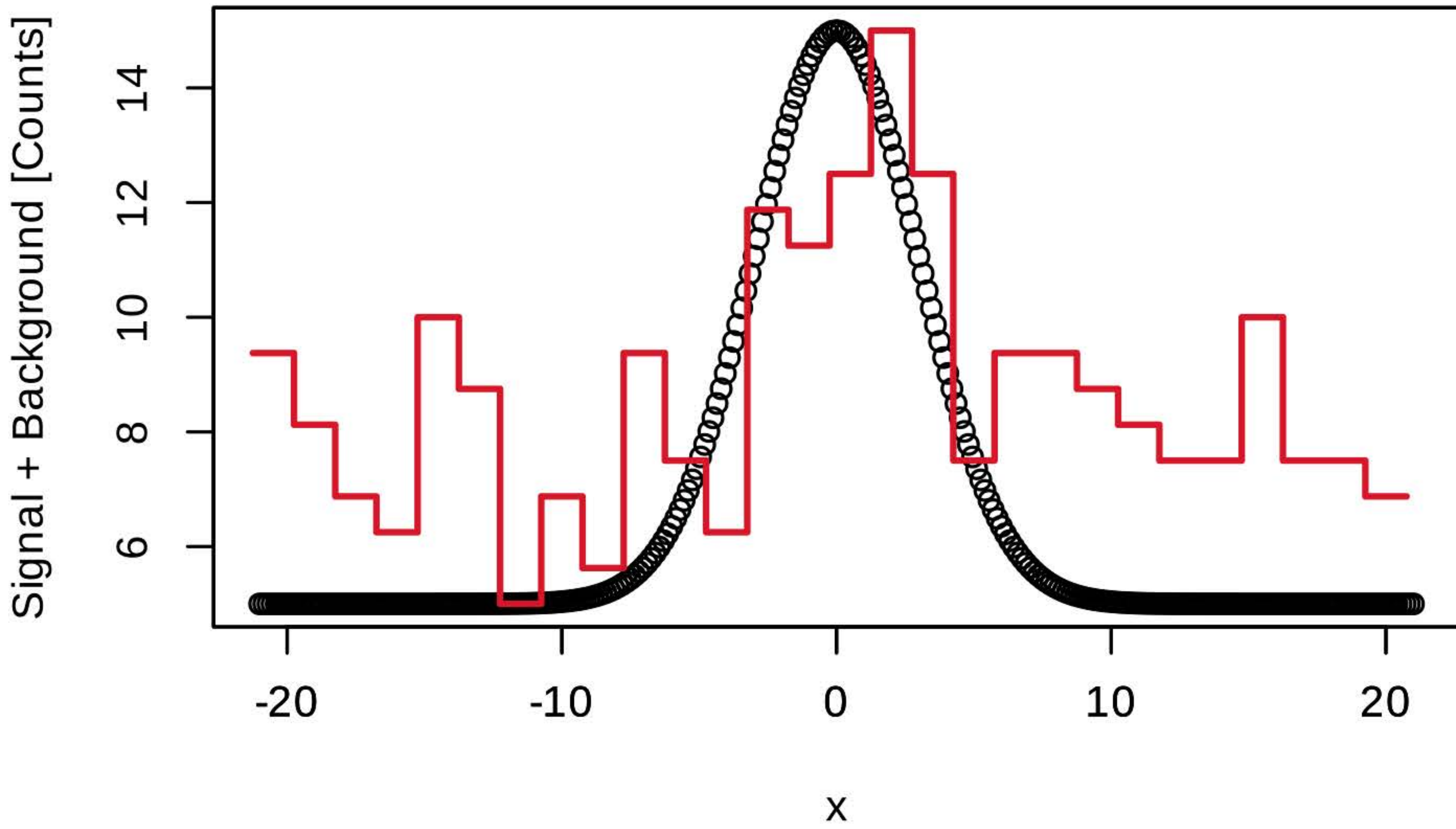
Signal width: 1



Signal width: 2

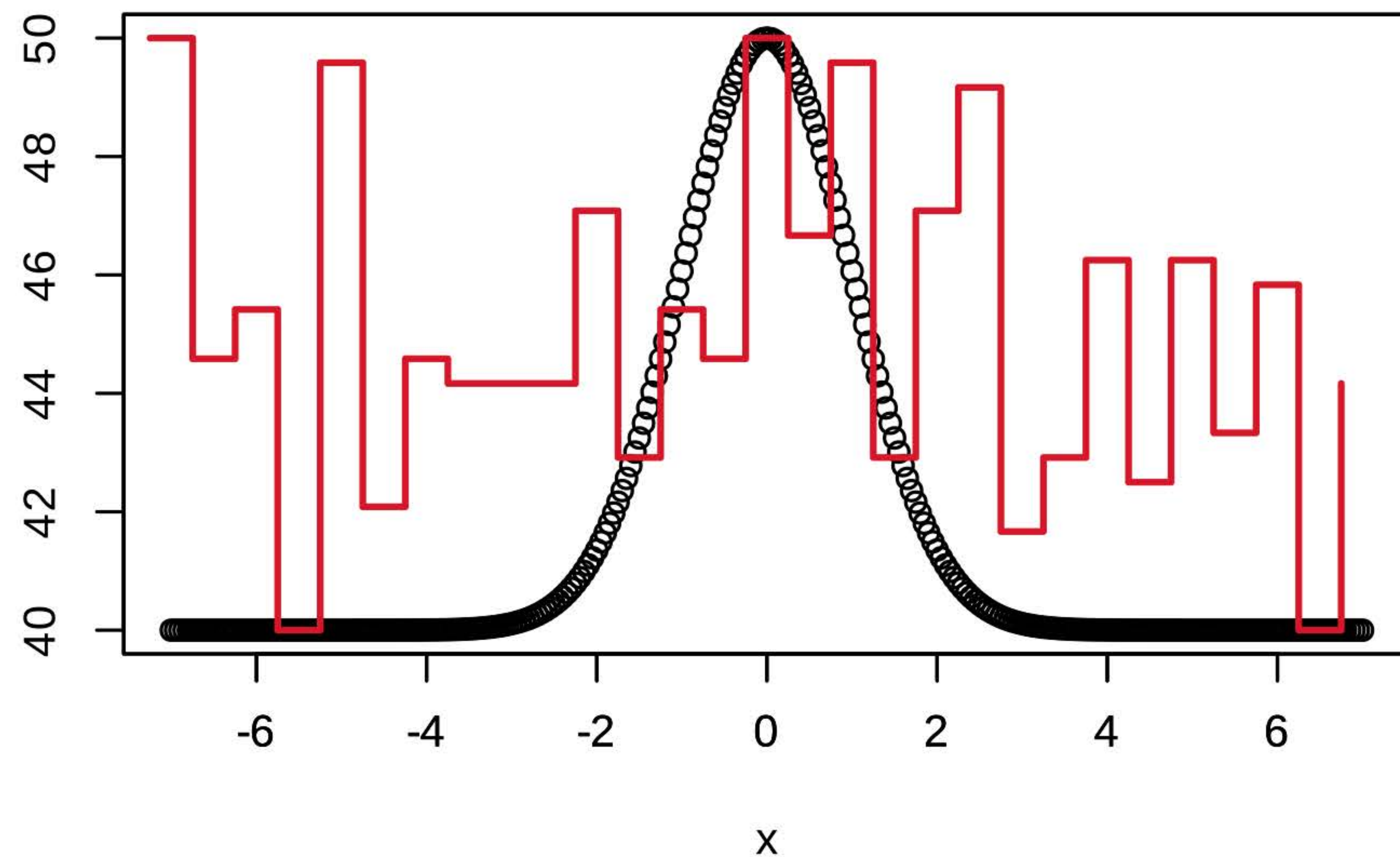


Signal width: 3

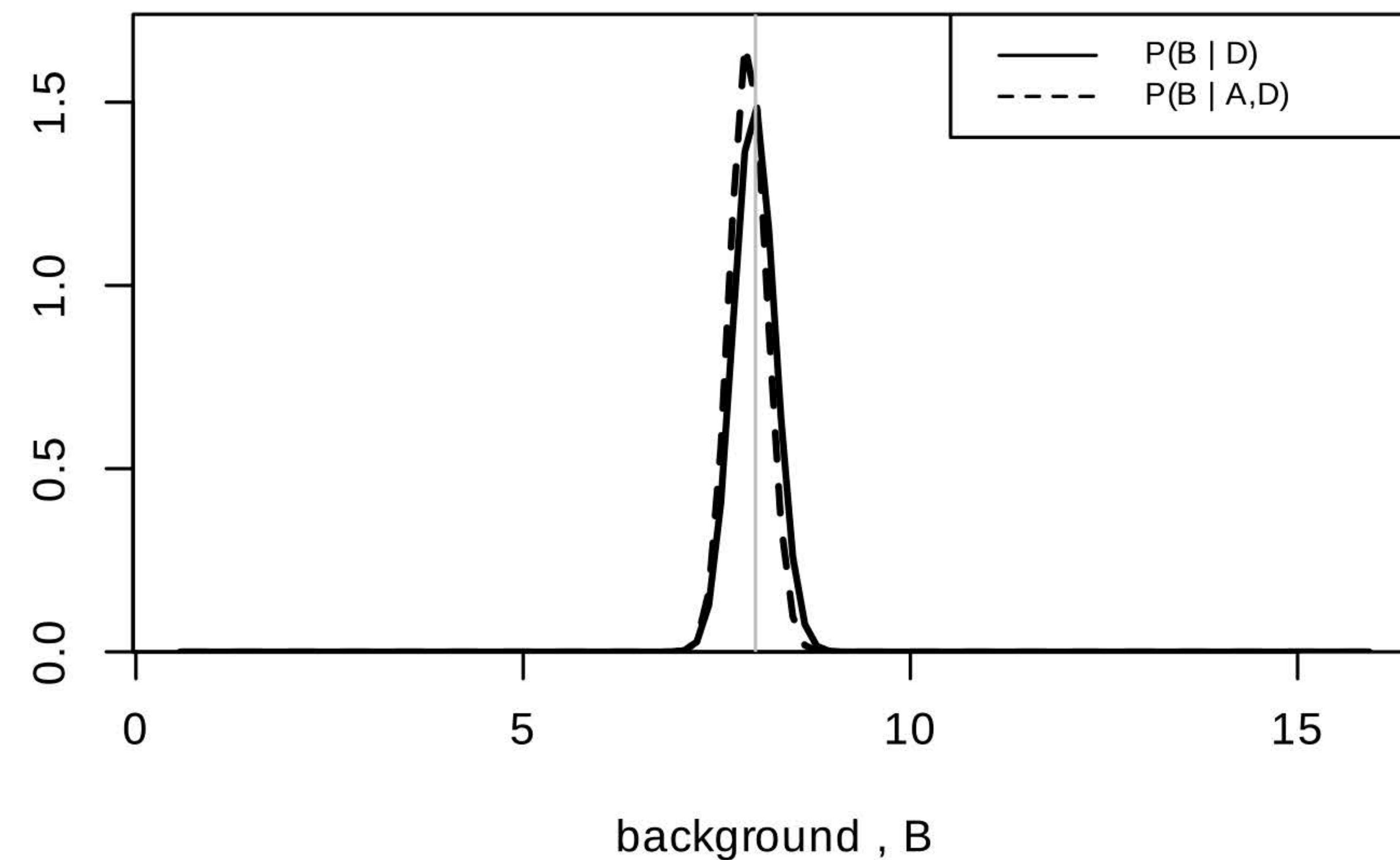


A/B: 0.25

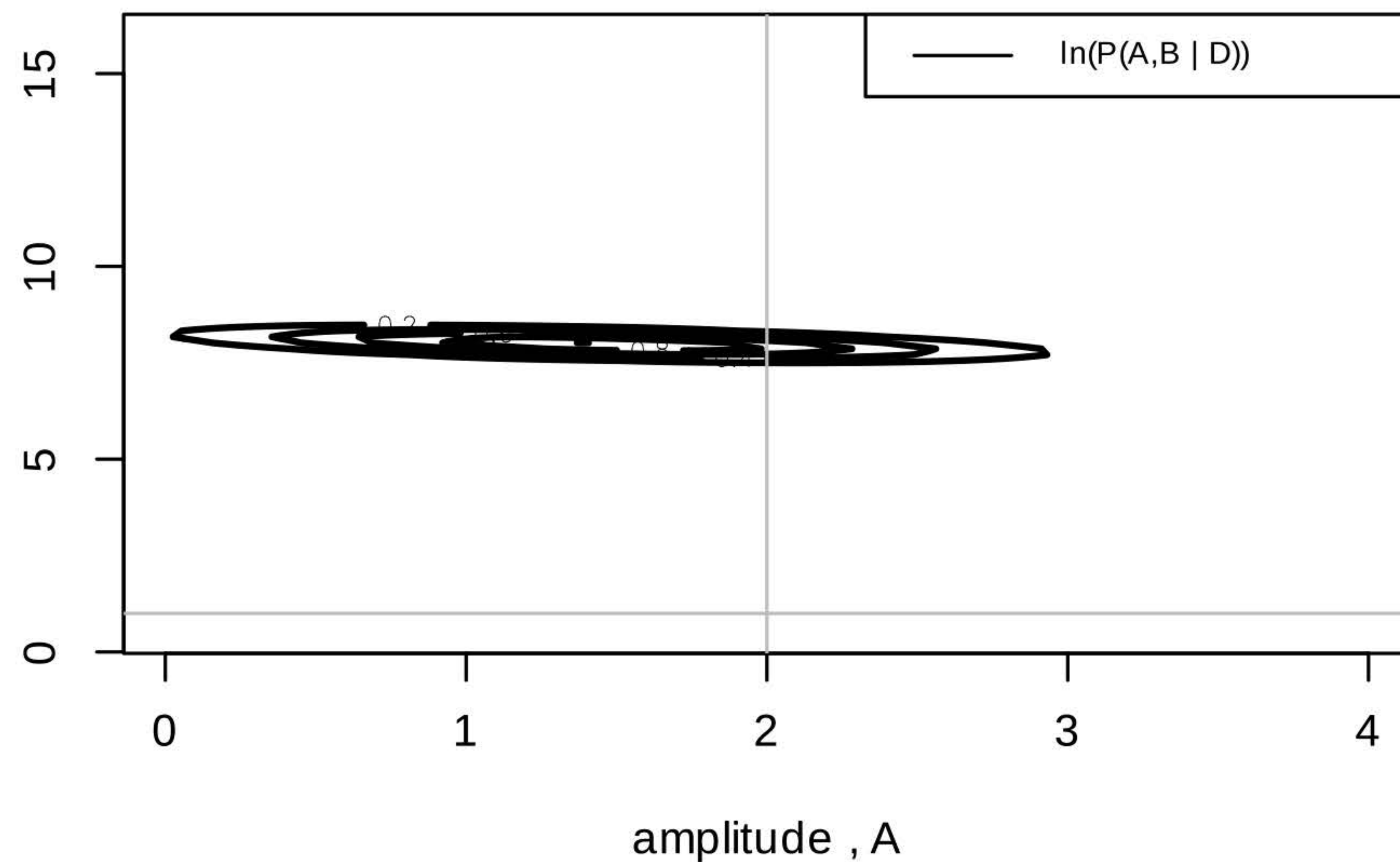
Signal + Background [Counts]



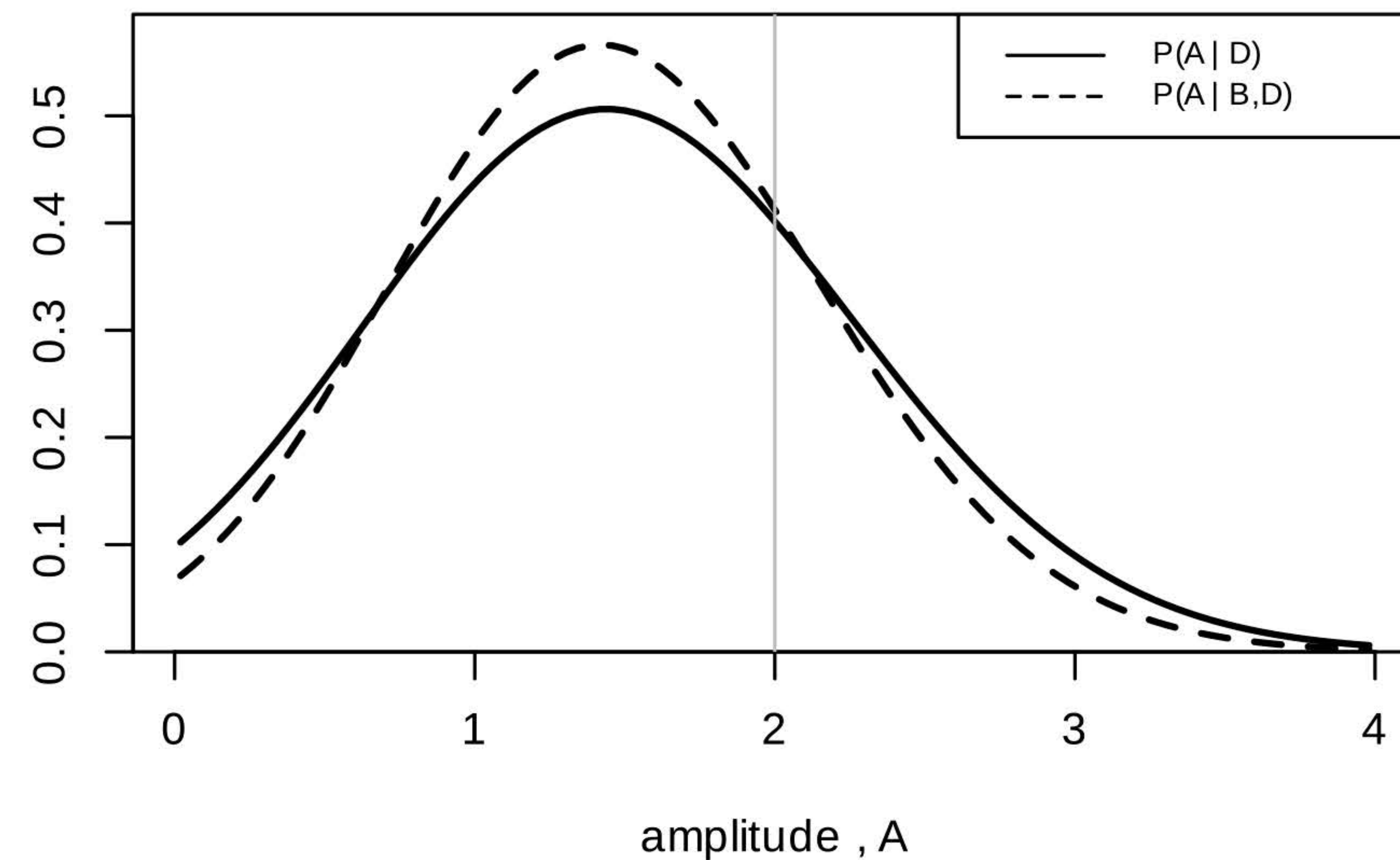
$P(B | D)$ and $P(B | A, D)$



background , B

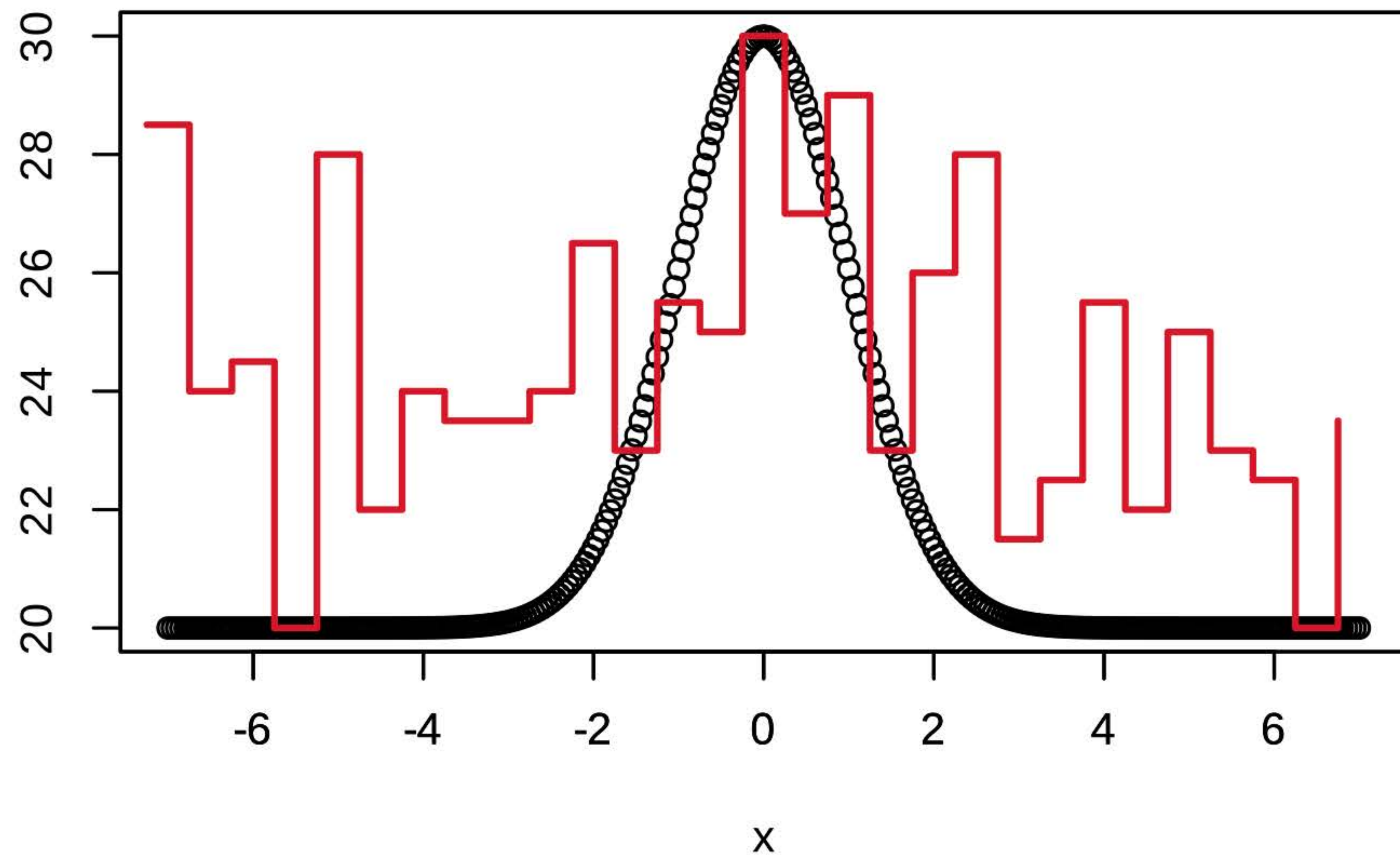


$P(A | D)$ and $P(A | B, D)$

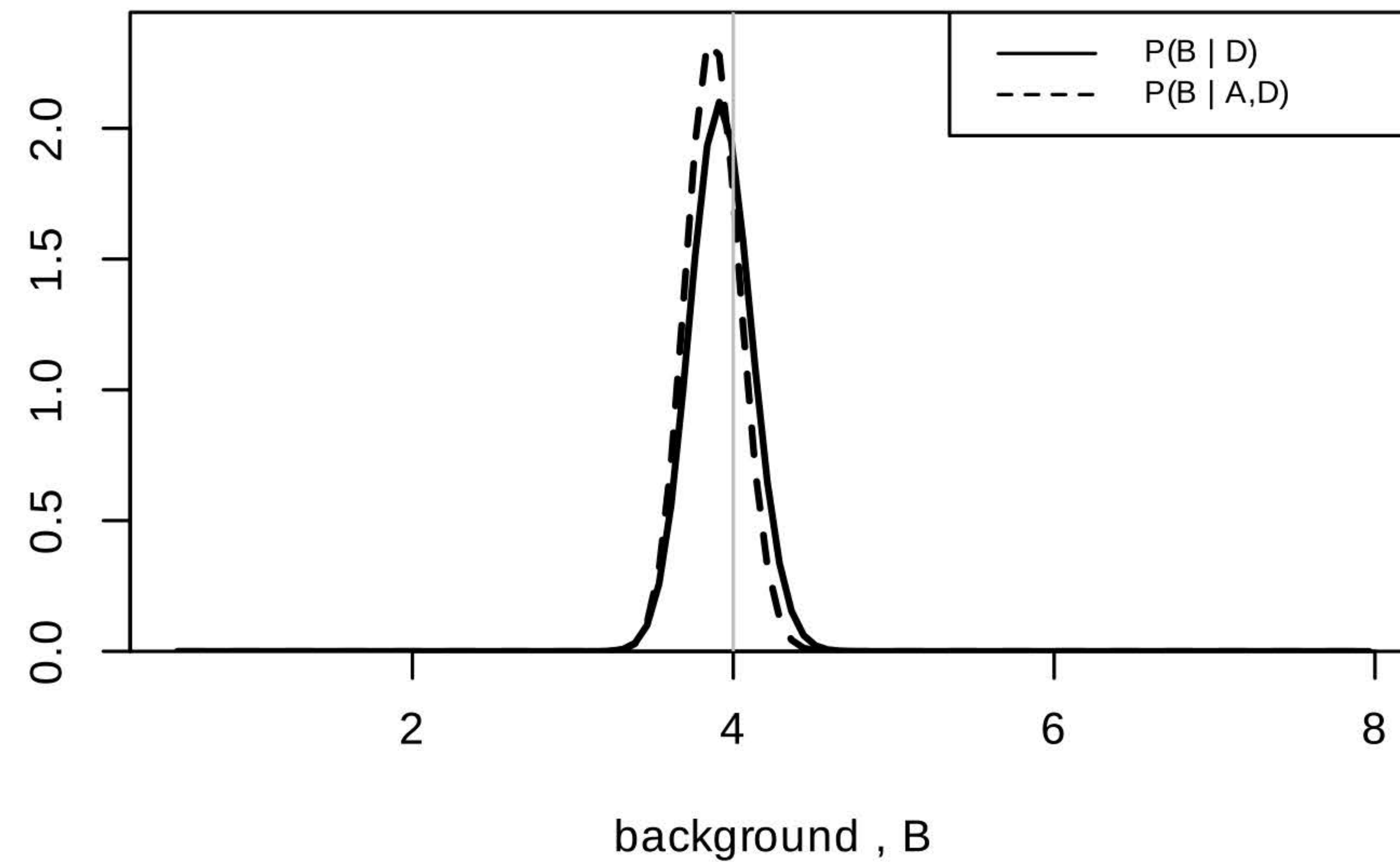


A/B: 0.5

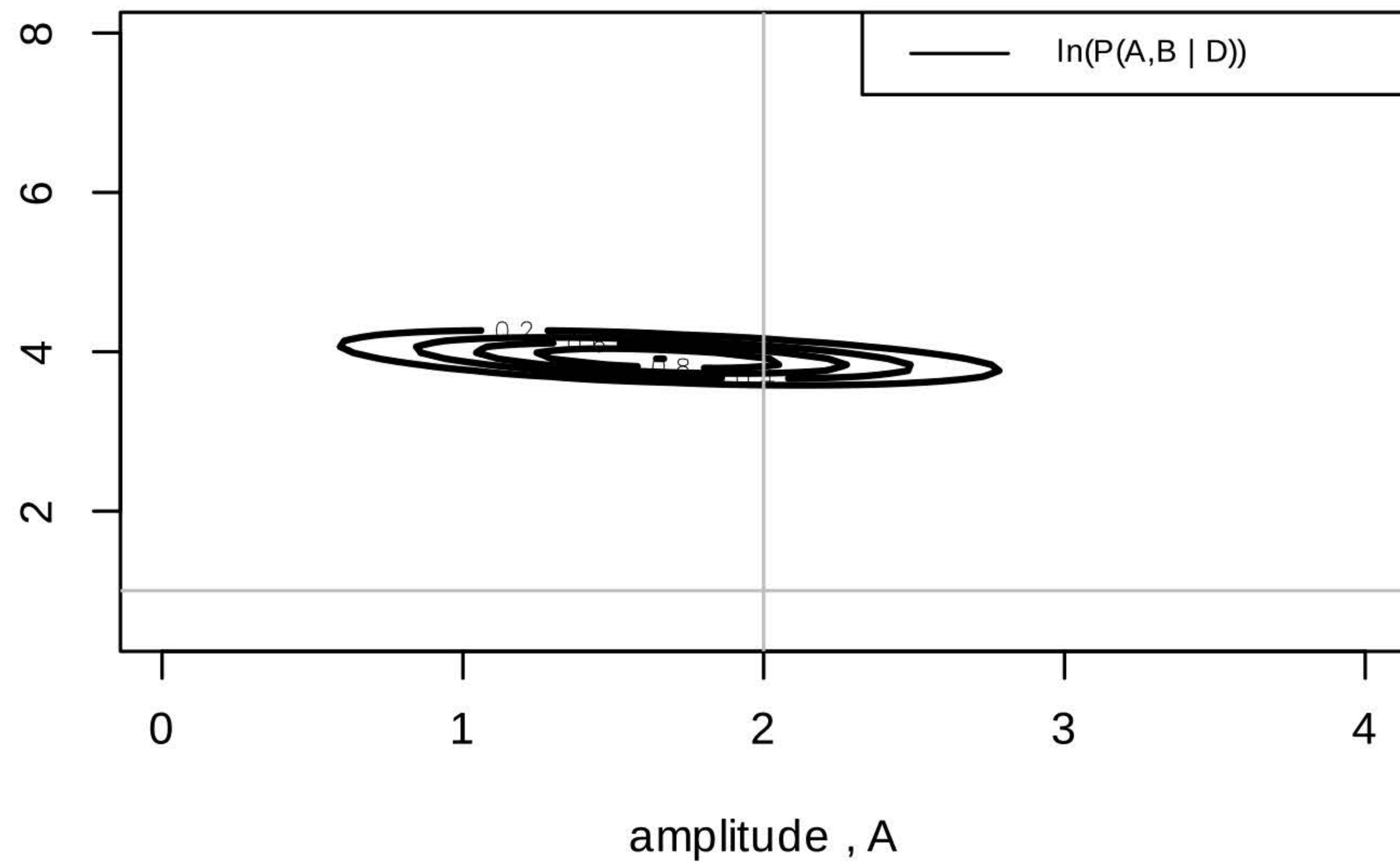
Signal + Background [Counts]



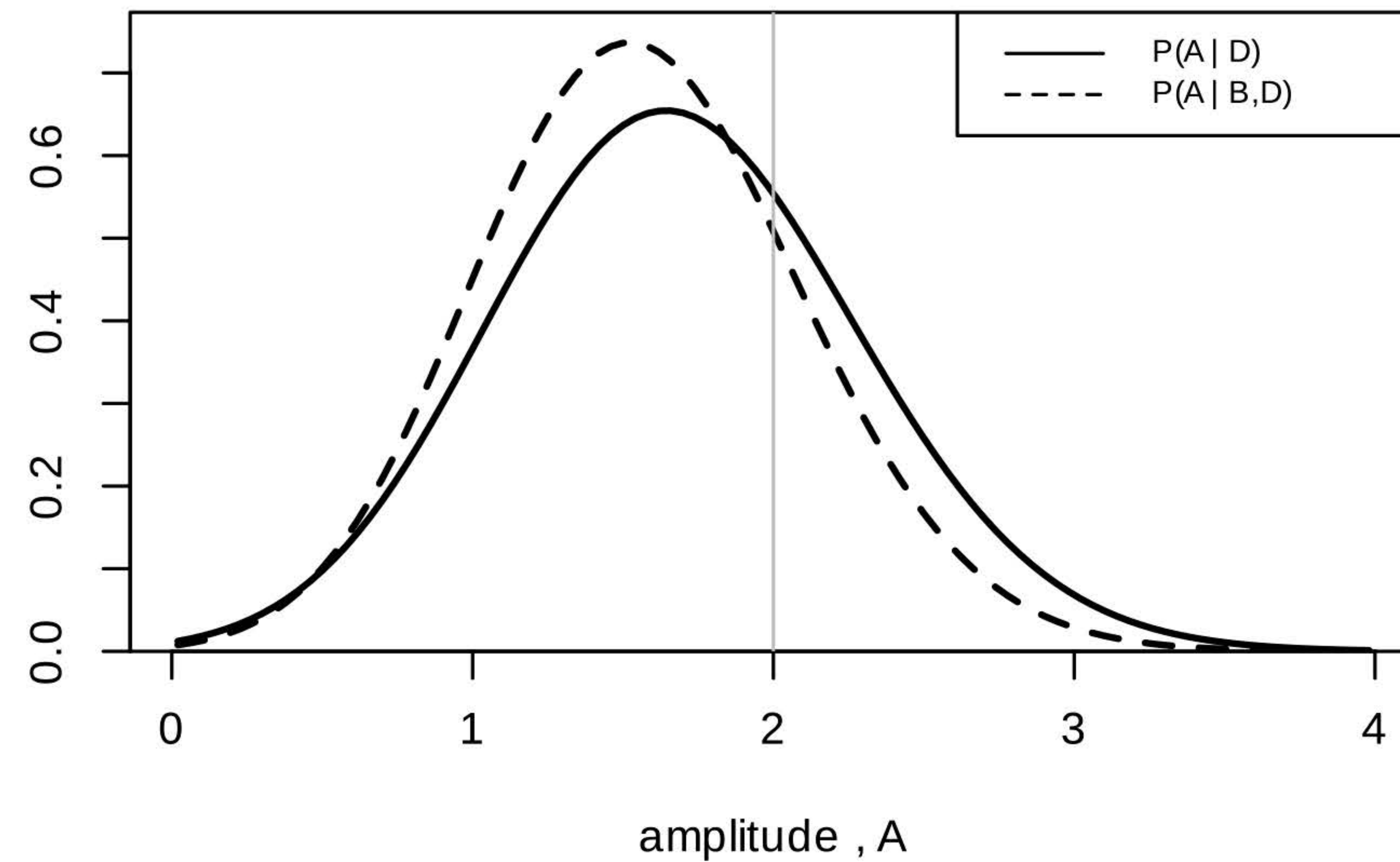
$P(B | D)$ and $P(B | A, D)$



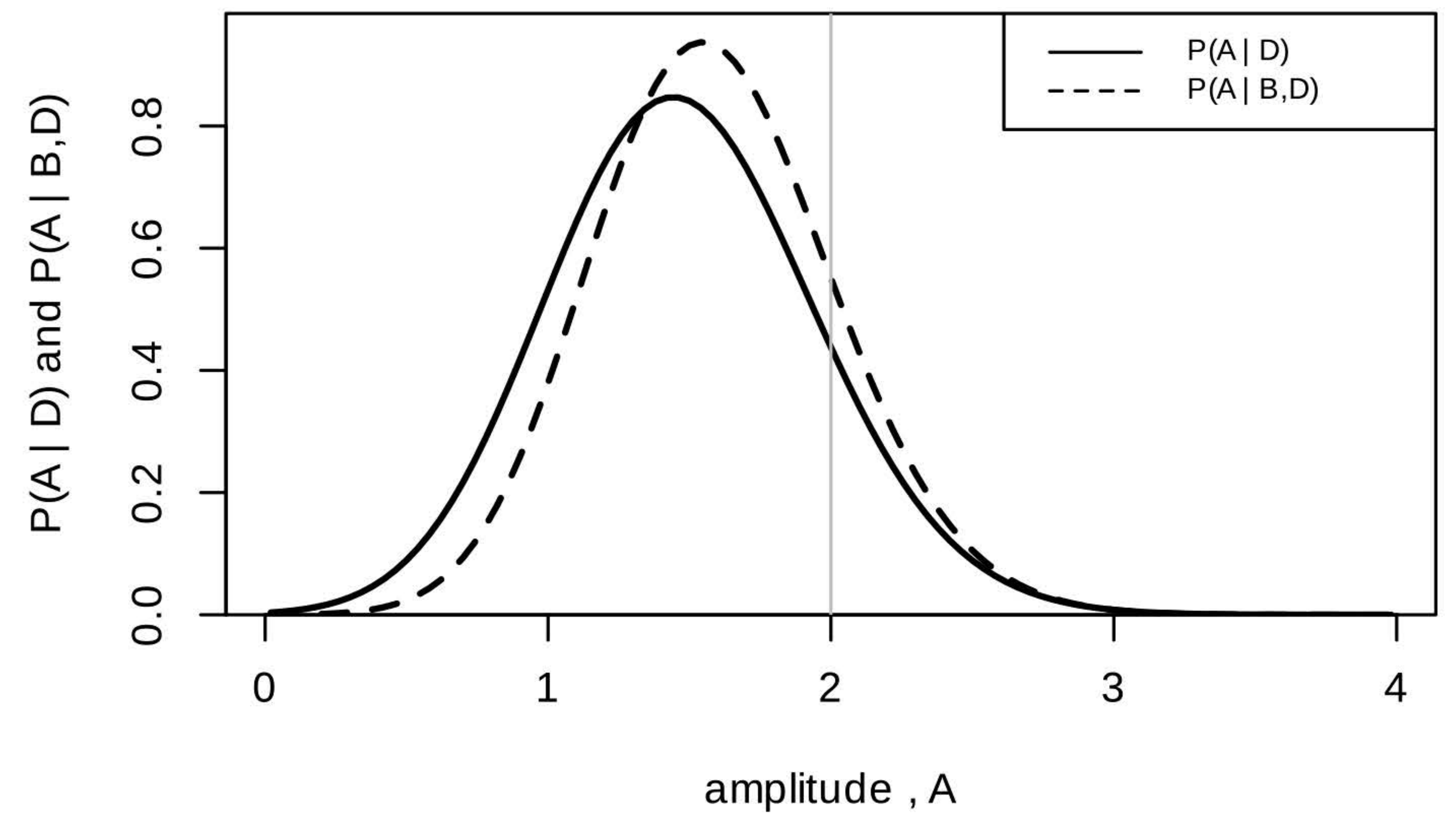
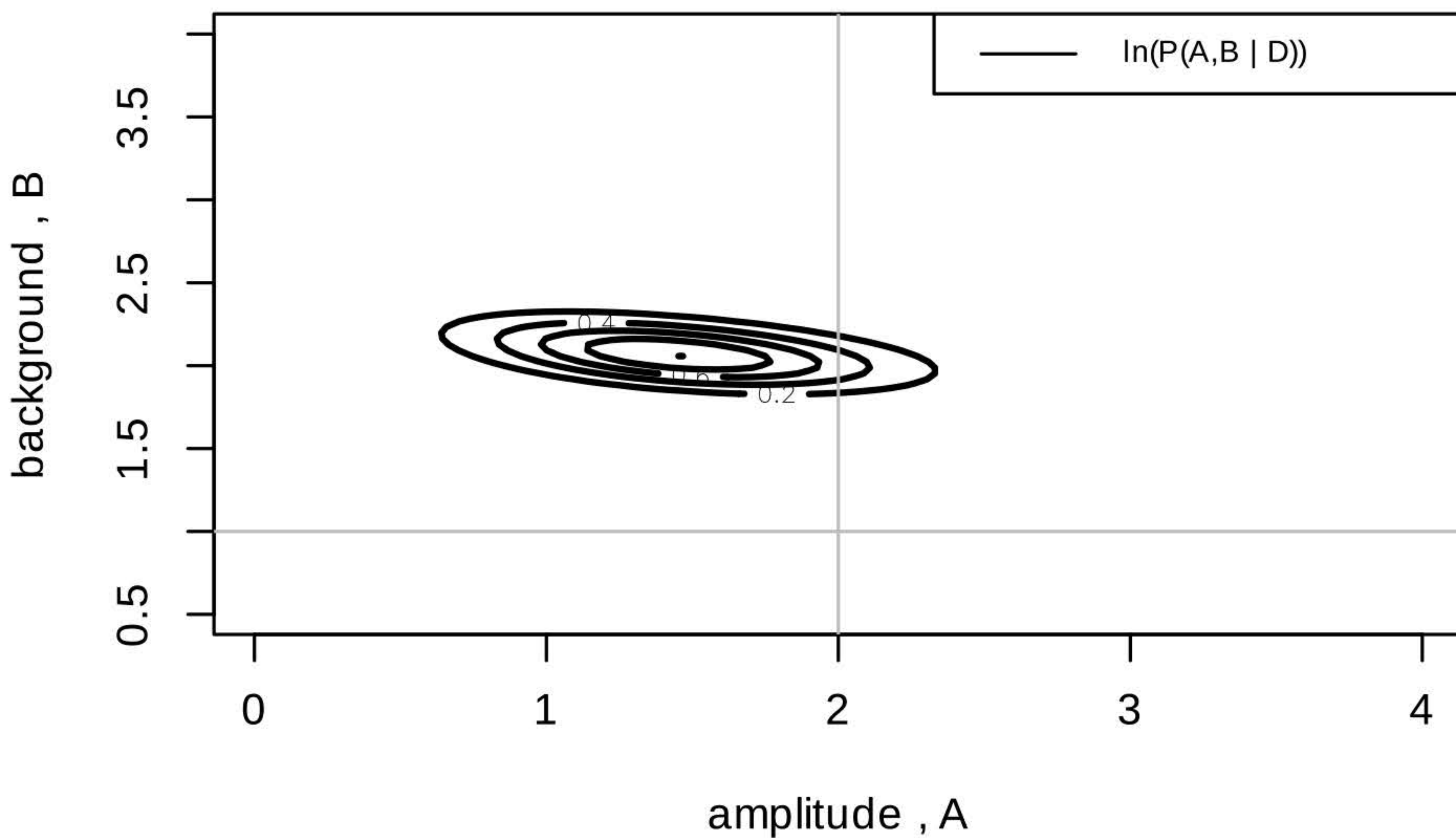
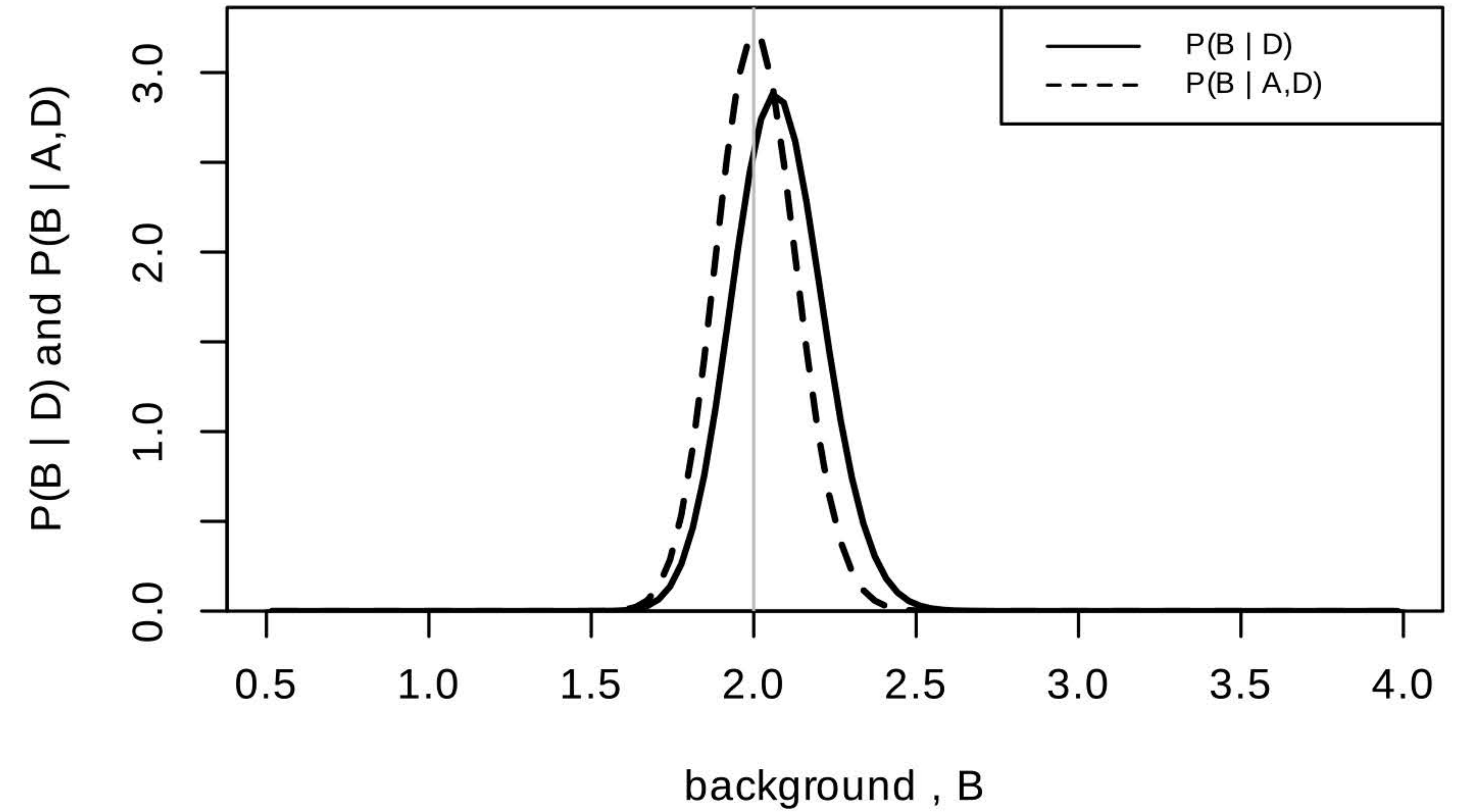
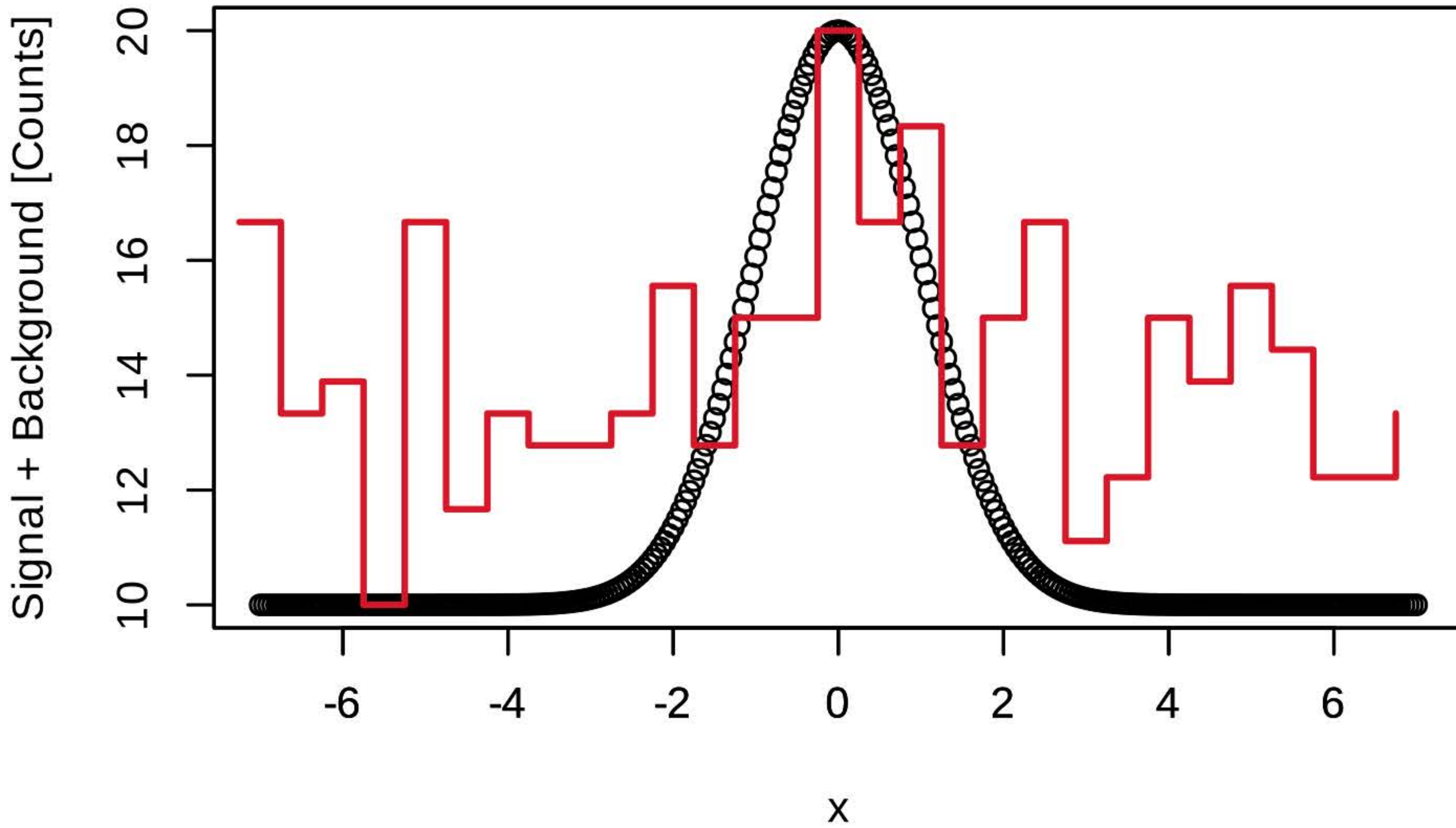
background , B



$P(A | D)$ and $P(A | B, D)$

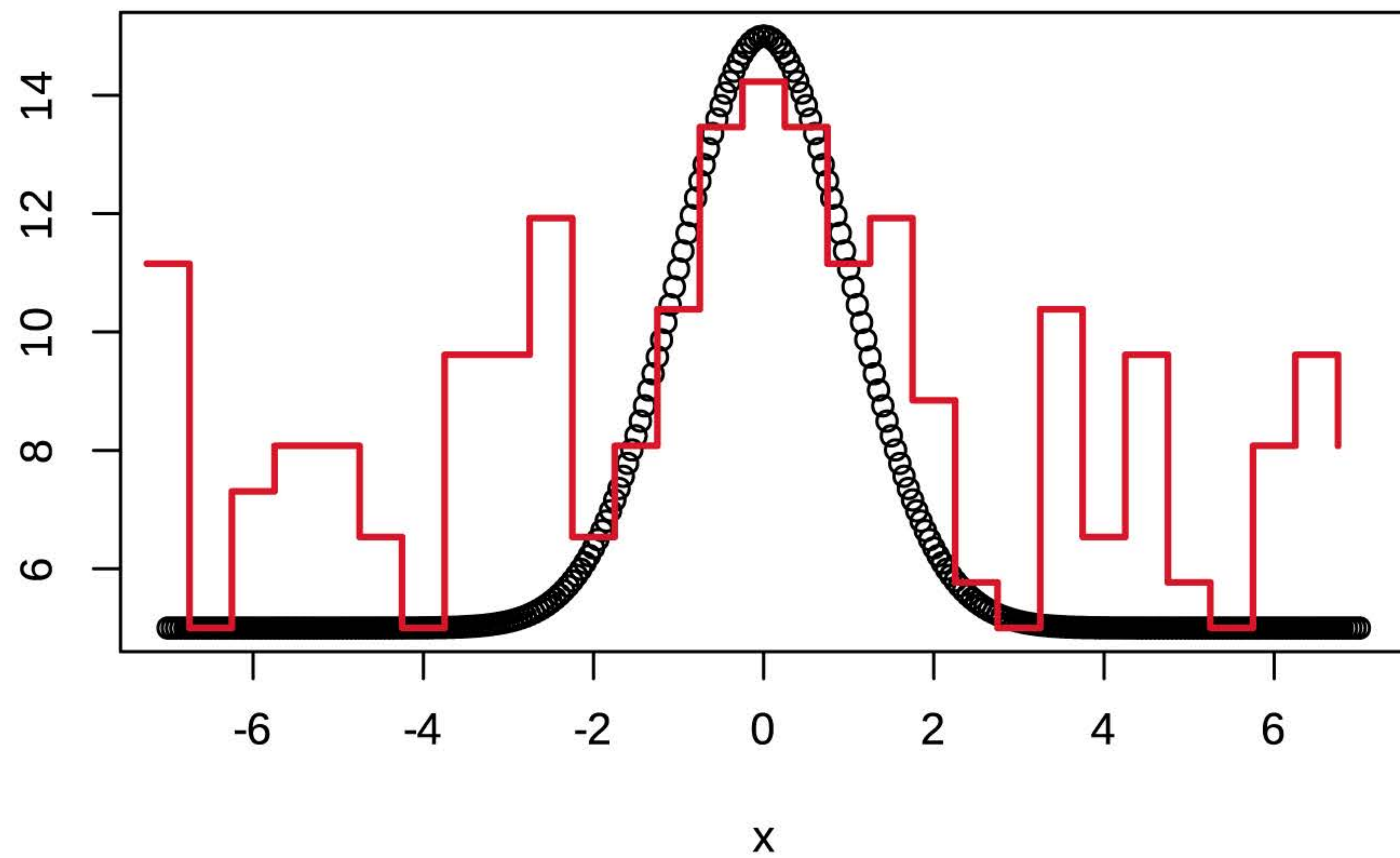


A/B: 1

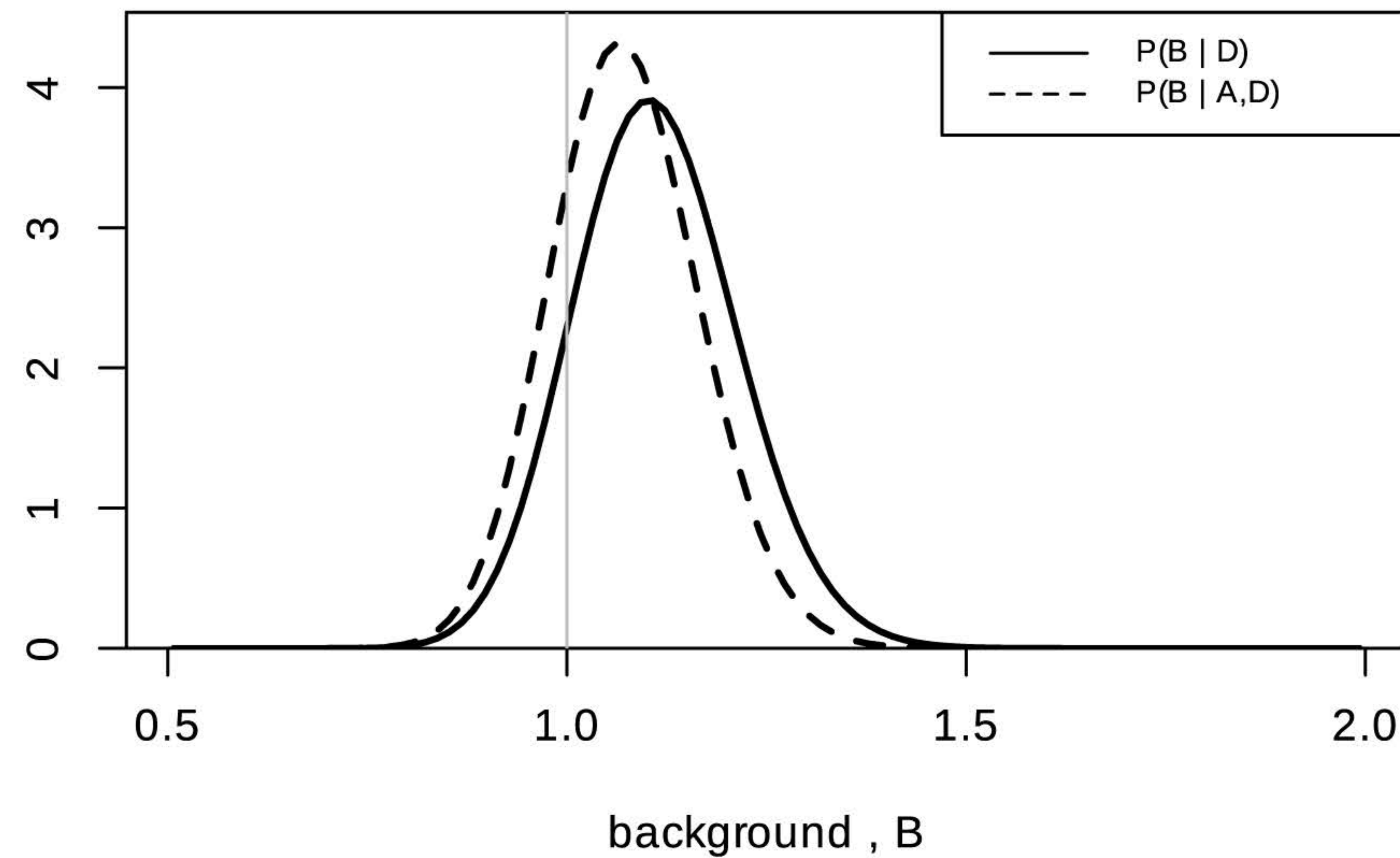


A/B: 2

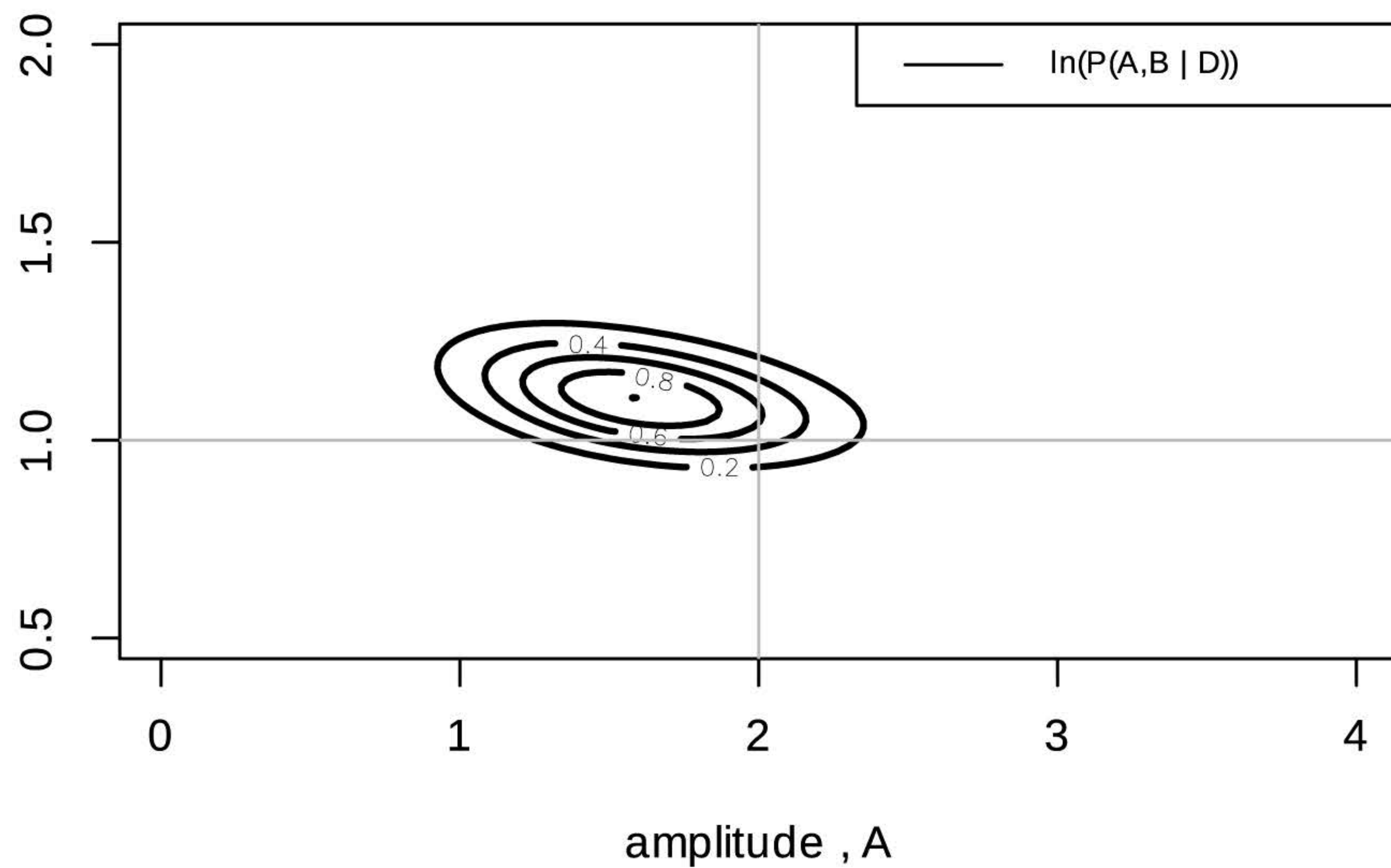
Signal + Background [Counts]



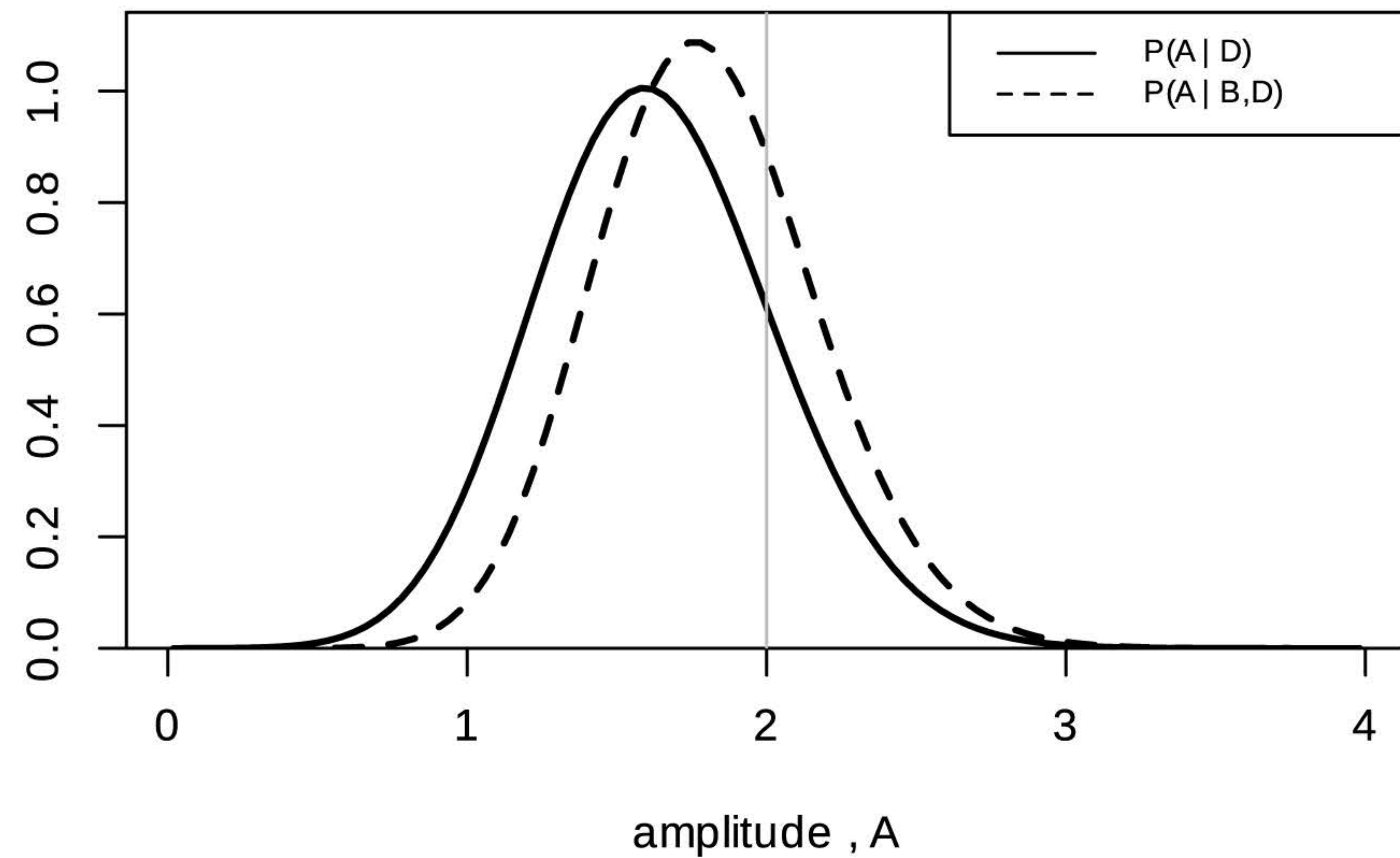
$P(B | D)$ and $P(B | A, D)$



background , B

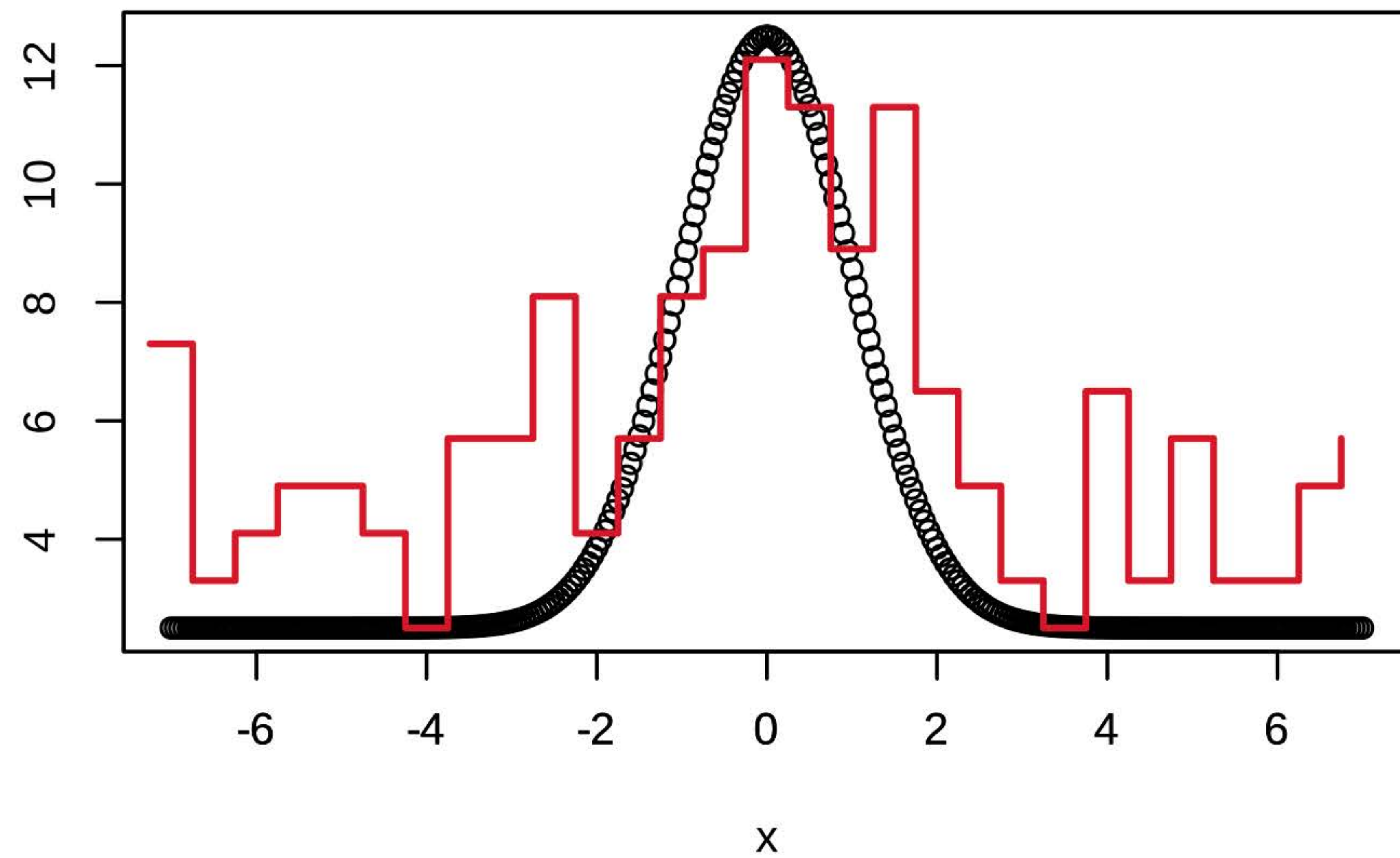


$P(A | D)$ and $P(A | B, D)$

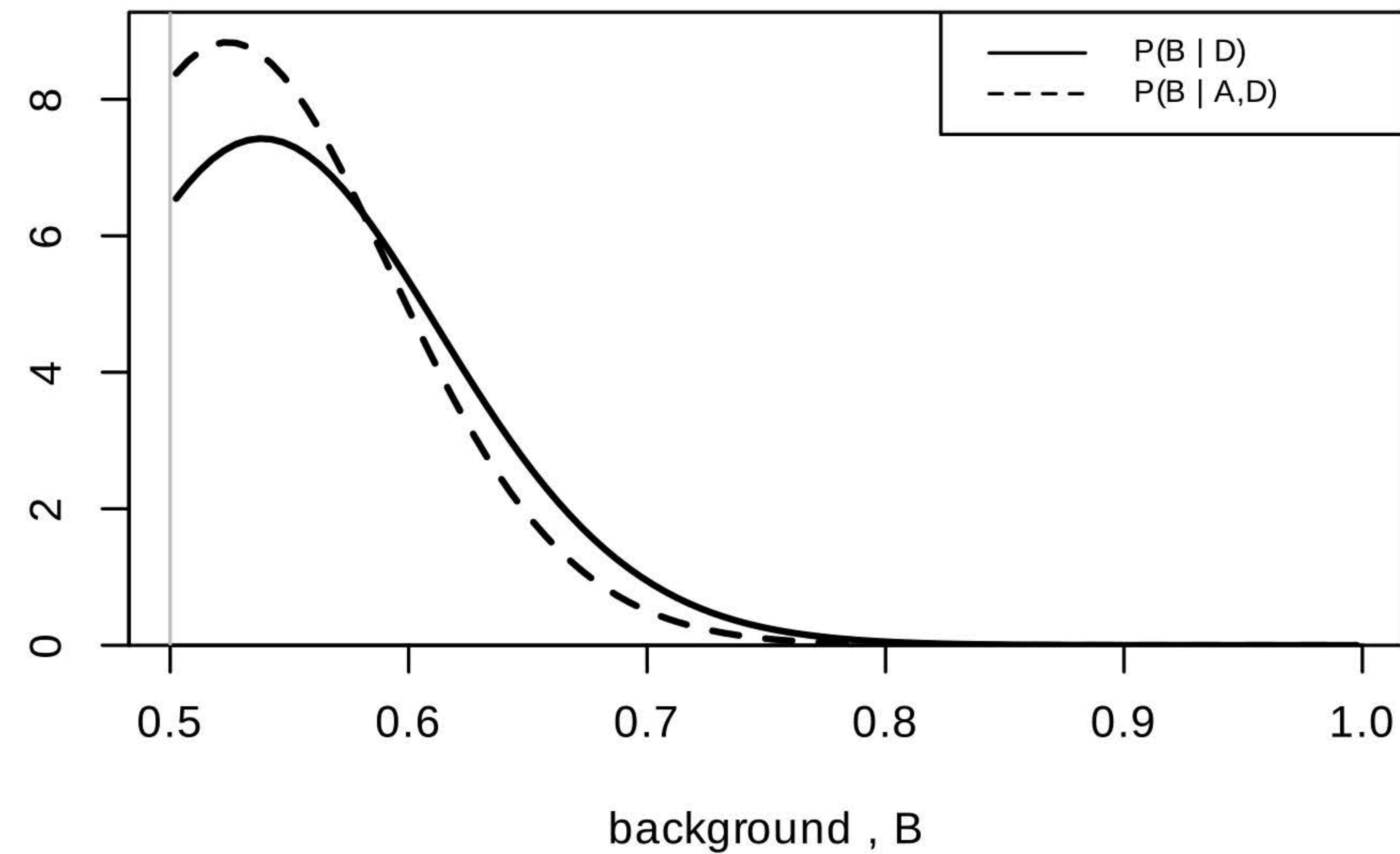


A/B: 4

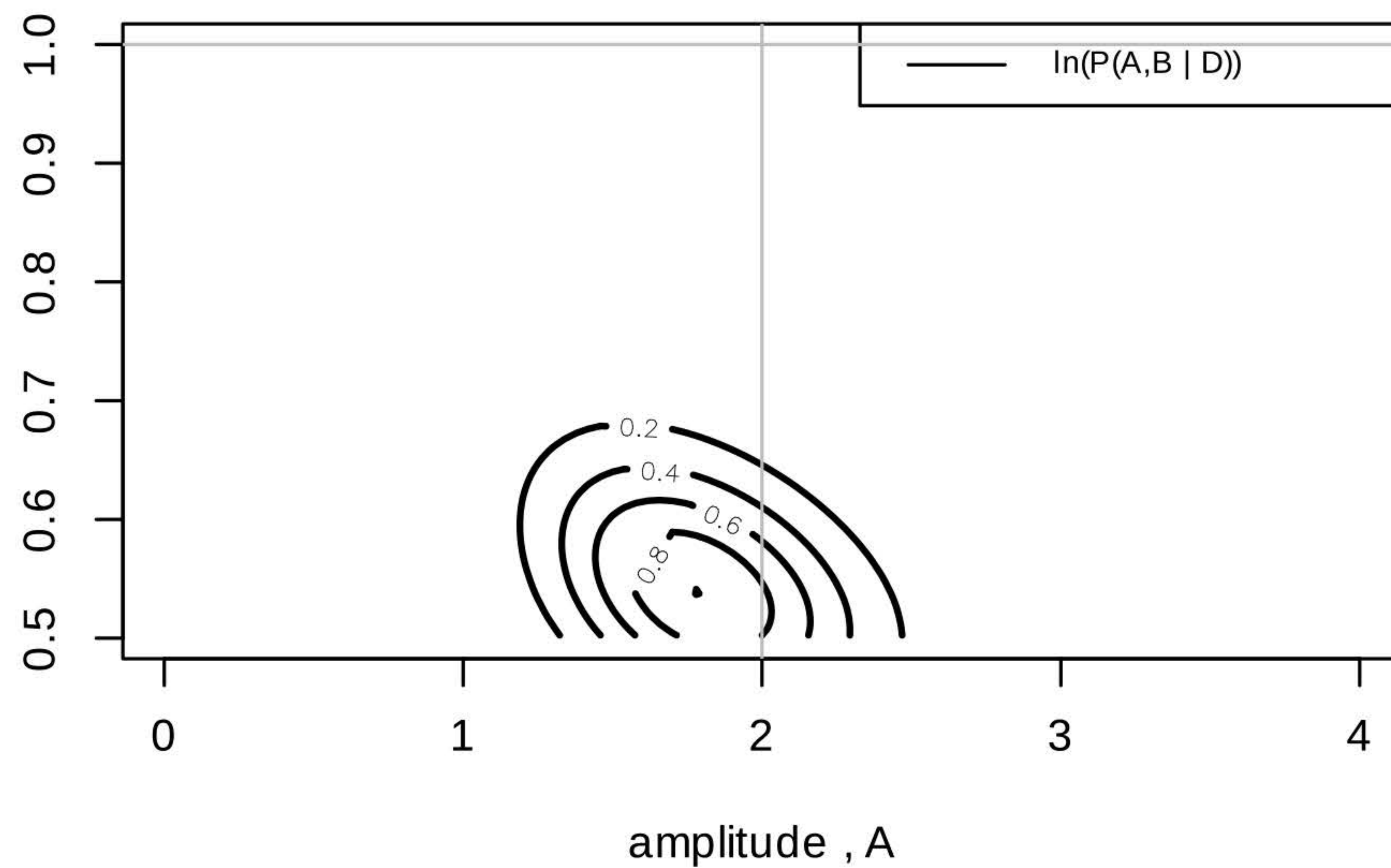
Signal + Background [Counts]



$P(B | D)$ and $P(B | A, D)$



background , B



$P(A | D)$ and $P(A | B, D)$

