
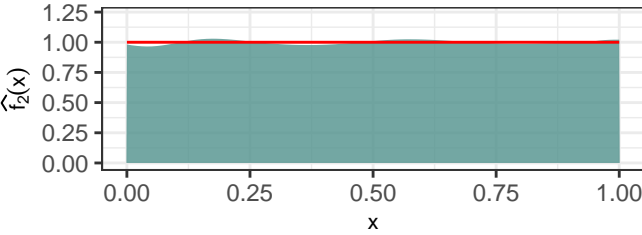


# Density Estimation Using Beta Kernel Estimator $\hat{f}_2(x)$

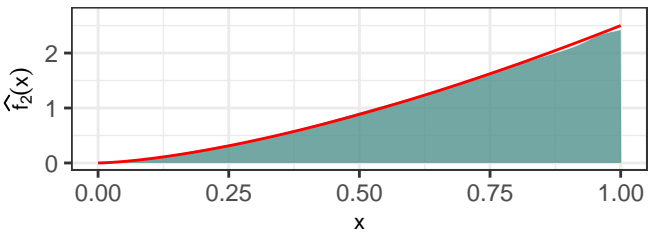
 Theoretical

$X \sim \text{Beta}(1, 1), b = 0.025$



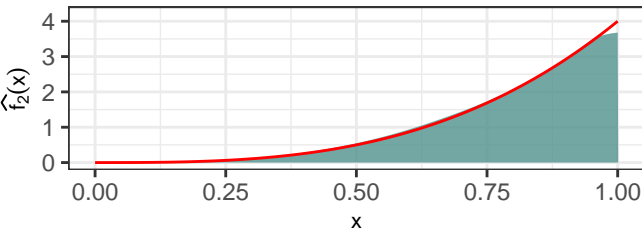
**A**

$X \sim \text{Beta}(2.5, 1), b = 0.025$



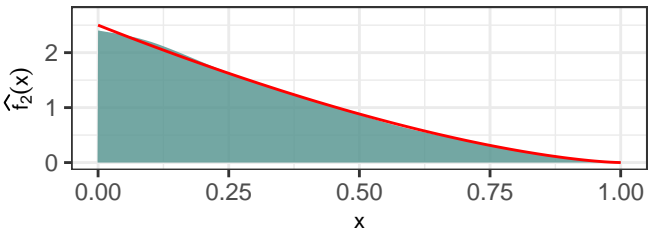
**B**

$X \sim \text{Beta}(4, 1), b = 0.025$



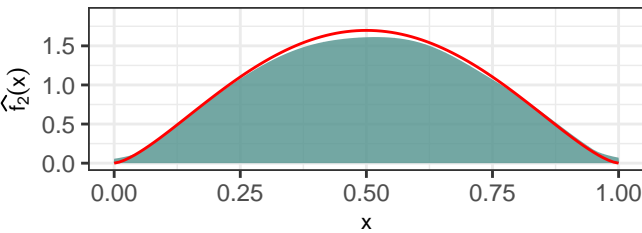
**C**

$X \sim \text{Beta}(1, 2.5), b = 0.025$



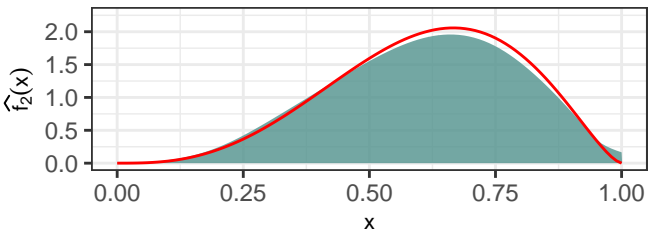
**D**

$X \sim \text{Beta}(2.5, 2.5), b = 0.025$



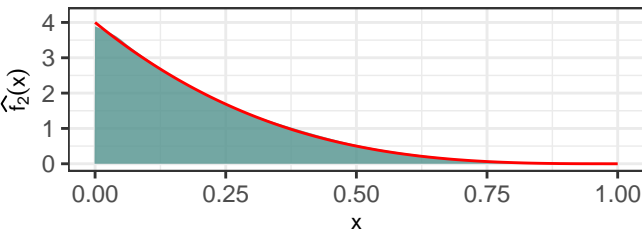
**E**

$X \sim \text{Beta}(4, 2.5), b = 0.025$



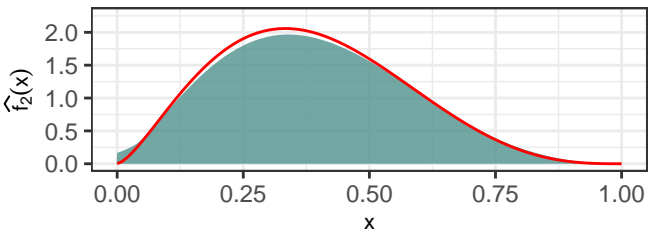
**F**

$X \sim \text{Beta}(1, 4), b = 0.025$



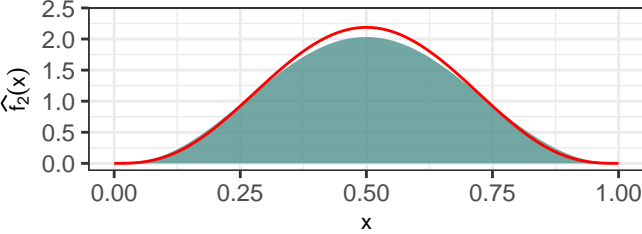
**G**

$X \sim \text{Beta}(2.5, 4), b = 0.025$



**H**

$X \sim \text{Beta}(4, 4), b = 0.025$



**I**