

192. You are given the kernel:

$$k_y(x) = \begin{cases} \frac{2}{\pi} \sqrt{1 - (x - y)^2}, & y - 1 \leq x \leq y + 1 \\ 0, & \text{otherwise} \end{cases}$$

You are also given the following random sample:

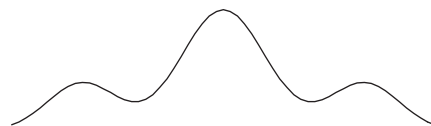
1 3 3 5

Determine which of the following graphs shows the shape of the kernel density estimator.

(A)



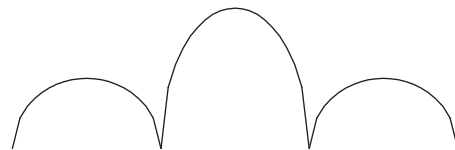
(B)



(C)



(D)



(E)

