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Question 1

(1/1 point)

Given the CDF of a random variable, which of the following processes allows you to get the PDF of that variable?

- a. Take the derivative of the CDF ✔
- b. Integrate from 0 to 1
- c. Integrate over the relevant region
- d. You cannot recover the PDF knowing only the CDF

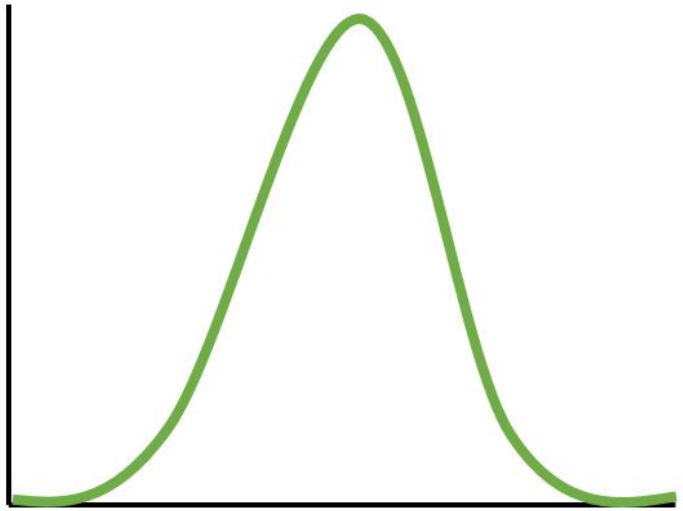
EXPLANATION

As discussed in class, in order to get the probability density function from a cumulative density function, you simply have to take the derivative of the CDF.

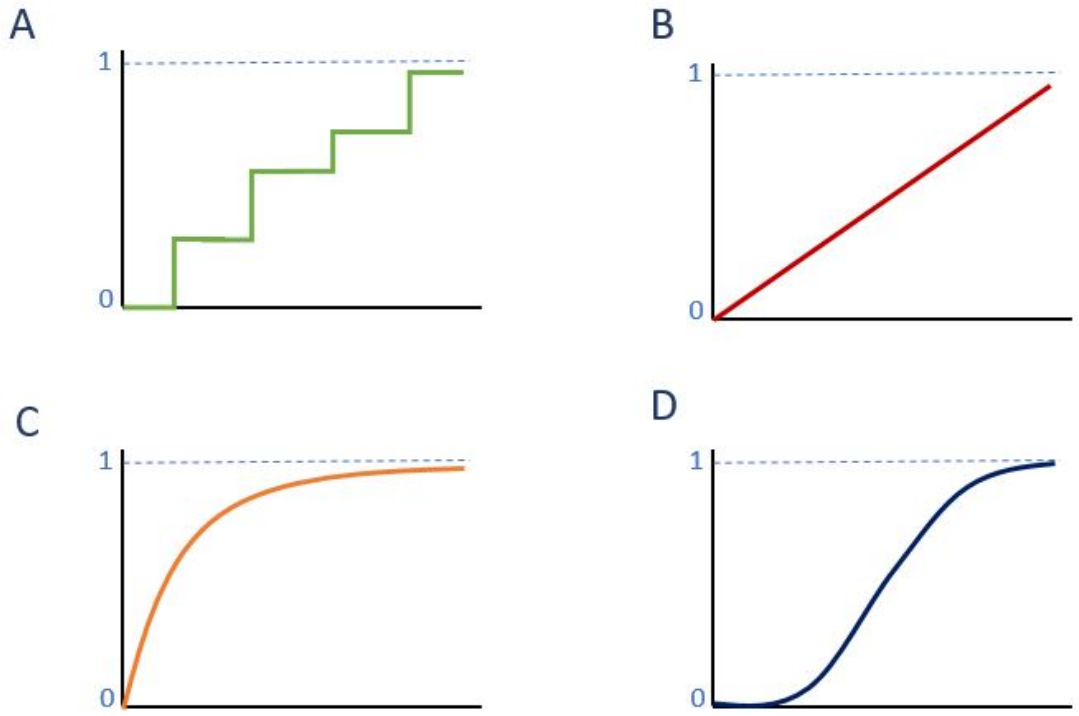
You have used 1 of 2 submissions

Question 2

(1/1 point)



Assume you have the PDF shown above. Based on what you know about the relationship between the PDF and the CDF, which of the following CDFs appears to correspond?



- A
- B
- C

D ✔

EXPLANATION

D represents the closest fitting CDF that corresponds to the PDF shown above.

You have used 1 of 2 submissions