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Question: Show that the global minimum of $C(G) = \max V(G, D)$ is achie...

Show that the global minimum of $C(G) = \max_{D} V(G, D)$ is achieved if and only if $p_G = p_{\text{data}}$. At that point, show that C(G) achieves the value $-\log 4$.

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Expert Answer



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Theorem: - Show that the global minimum of C(0)= mozV(400) is orbited it and only it for - plate at that point show that C(G) ordiend the value -logge.

7.4 Sil In options we will take its harvestation?

- Torsel let us look at the objective bindian,
 min more [Fren Peals log Do(x)+ Eznes) log (1-00 (000(2))]
 - We will export it it will the born (1-0d (10))
 - Tet PG(X) denote the distribution of dex's generally by the sensor on since x 20 a buntion obz we can replace the read integral as shown below

min mor (Plate (2) log Do(2)+ (2 Pb(2) log(1-06(2))

nin mox & (polate (2) log Do(a)+py(2) tog(1-ld(a)))4

-> To bind me optime we will take he derinated of the som invite the integral in . 2 . 2 D & set

100(2)) (Polohi(2) day Do(2) +Pc= (2) log (1-Do(2)))=0

((C)(1)) - plots (2) 1 (-1)=0

thought all do with publicle) it at any profit des ished much in figure that all market miles

- / we men vo x sony symmyon wow!

-> Nowth it hord of the flederen roy "it Re-plote".

-> So let us substitute PG- Plote into Ofc (G(2)) and
see what lappare to the loss burntion:

V (61) (28 (51) = Sepholalishogo (2)+ PG(2) log (1-21))4

= Sepholalish log to +PG (1) log (1-2)/2

-log 2 Sepholalish - log 2 Sepholalish

=-2log2= -log(4

Paroney

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Anonymous posted 11 months ago

l appreciate the answer, but is very difficult to understand. Please can you rewrite the same. I am very sorry to ask like this.



Anonymous posted 11 months ago

give me some time will do it

Anonymous posted 11 months ago





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Q: 6. Show that the global minimum of $C(G) = \max V(G, D)$ is achieved if and only if PG = Pdata. At that point, show that C(G) achieves the value $-\log 4$. D

A: See answer

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Q: 6. Show that the global minimum of $C(G) = \max V(G, D)$ is achieved if and only if PG = Pdata. At that point, show that C(G) achieves the value $-\log 4$. D

A: See answer

Q:

1. Let f:R'' + R be a convex function that is $f(tx_1 + (1 - t)x_2)$

A: See answer 100% (1 rating)

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