## Courge Name: Machine Learning Lab Req : 2018831072

Assignment -01

Given, f(2) = ln(1+2); Where; Z= 2Tn

Solve Using chain rule.

we know that,

here, df = 1 1+2

and 
$$\frac{d^2}{dn} = 2n$$

$$\frac{dx}{dx} = \frac{1}{1+2} \cdot 2x = \frac{2x}{1+x^{2}}$$

## Assignment-or

Giren, f(z)=2-7/2 where, Z=8(y)=yTs-y

y=h(n)=n-ll

Solve using chain rule.

we know that,

$$\frac{dJ}{dn} = \frac{df}{dz} \cdot \frac{dz}{dy} \cdot \frac{dy}{dn}$$

here, 
$$\frac{d^{\frac{1}{2}}}{d^{\frac{1}{2}}} = -\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} = -\frac{1}{2} \cdot \frac{1}{2} =$$

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