

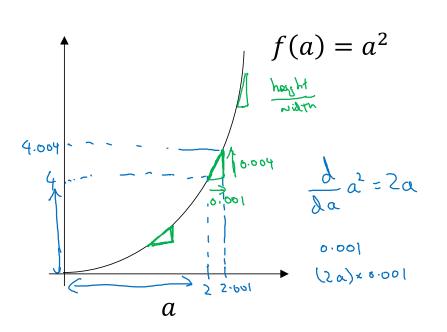
deeplearning.ai

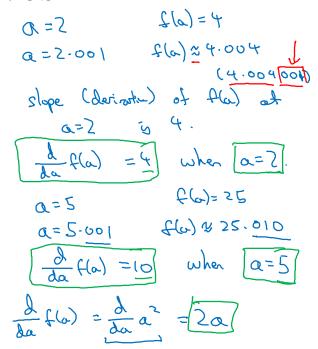
Basics of Neural Network Programming

More derivatives examples

Intuition about derivatives







More derivative examples

f(a) =
$$a^2$$

$$\frac{\partial}{\partial a} f(a) = \frac{\partial}{\partial a} a^2$$

$$f(a) = a^3$$

$$\frac{\partial}{\partial a} f(a) = \frac{\partial}{\partial a} a^2$$

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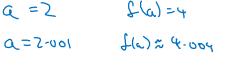
$$f(a) = \log_e(a)$$

$$\ln(a)$$

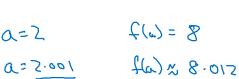
$$\frac{\partial}{\partial a} f(a) = \frac{1}{a}$$

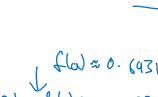
$$\frac{\partial}{\partial a} \ln(a) = \frac{1}{a}$$

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a=2





Andrew Ng