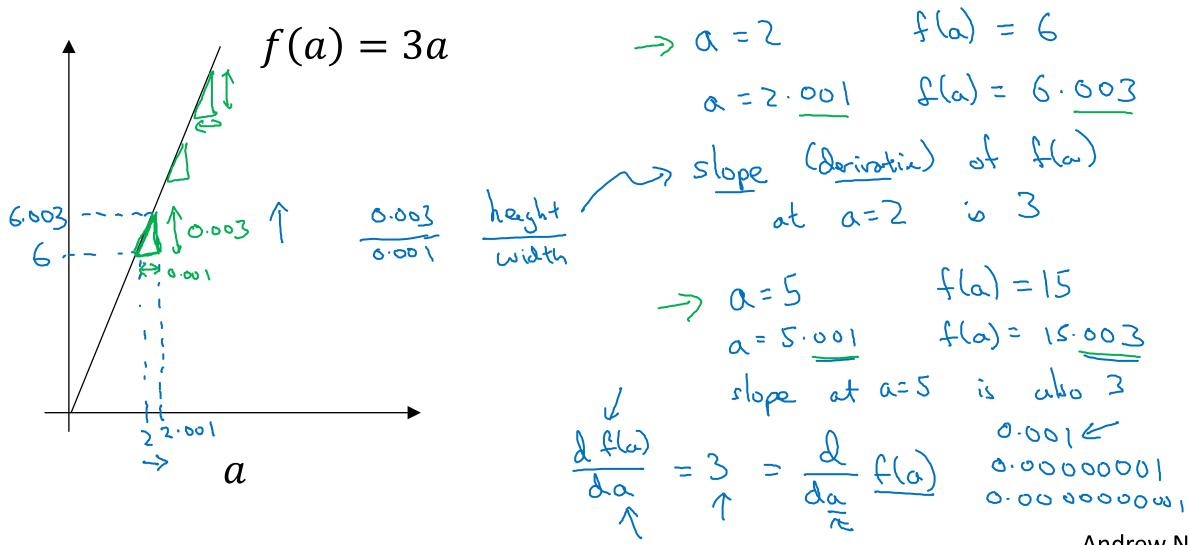


Basics of Neural Network Programming

Derivatives

deeplearning.ai

Intuition about derivatives



Andrew Ng



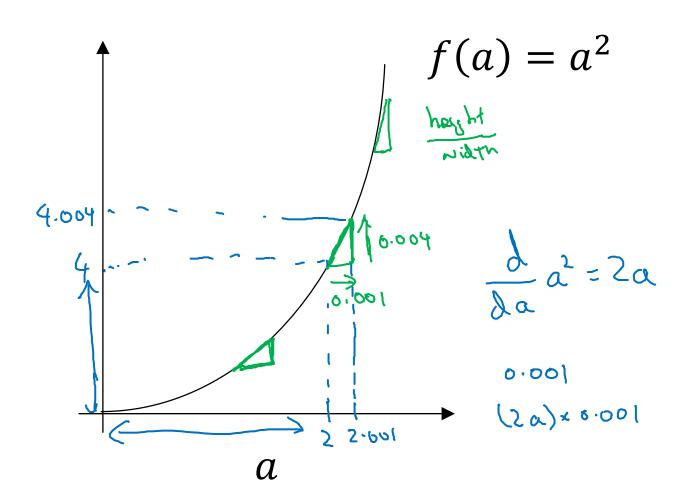
deeplearning.ai

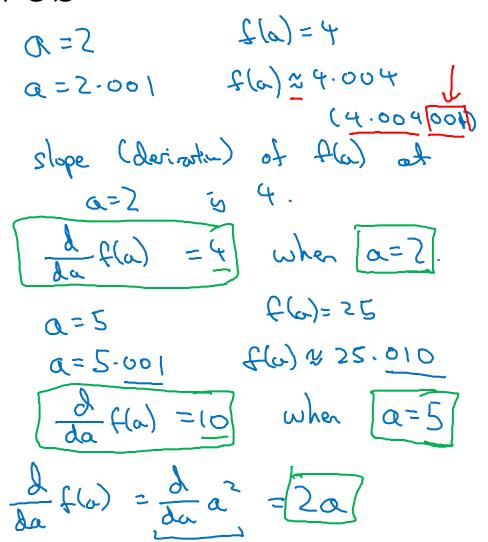
Basics of Neural Network Programming

More derivatives examples

Intuition about derivatives







More derivative examples

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

$$f(\omega) = \alpha^3$$

$$\frac{\lambda}{\lambda a} (\omega) = 3a^{2}$$

$$3x2^{3} = 12$$

$$a = 2$$
 $f(a) = 4$
 $a = 2-001$ $f(a) = 4-004$

$$a = 2.001$$
 $f(a) = 8$
 $a = 2.001$ $f(a) = 8$

$$Q = 5.001 \quad \text{fm} \approx 0.69362$$

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