Derivatives

Contents

1 Useful Derivatives

From Another Walkthrough of Variational Bayes.

$$\frac{d}{dx}x = 1$$

$$\frac{d}{dx}\log(x) = \frac{1}{x}$$

$$\frac{\partial}{\partial q}\int q(x)dx = 1$$

$$\frac{\partial}{\partial q}\int \log q(x)dx = \frac{1}{q(x)}$$