

Testing new derivative functions  
**derivatives package**

$$\frac{\mathrm{d}\mathbf{f}}{\mathrm{d}\mathbf{x}_0}, \quad \frac{\partial f}{\partial x} \quad \frac{\mathrm{d}^2 f}{\mathrm{d}x^2}, \quad \frac{\partial^2 f}{\partial x^2}$$

**Probability**  $\mathbb{E}_\mu[X] =$