Lecture 8.2: Taylor's formula
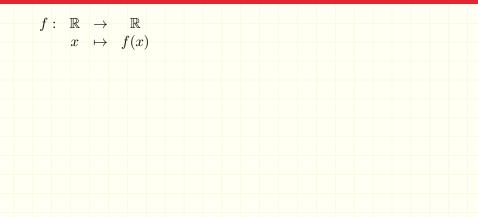
Optimization and Computational Linear Algebra for Data Science

Léo Miolane

Functions of one variable

$$f : \quad \mathbb{R} \quad \rightarrow \quad \mathbb{R}$$
$$x \quad \mapsto \quad f(x)$$

Functions of n variables

$$f : \quad \mathbb{R}^n \quad \rightarrow \quad \mathbb{R}$$
$$ \quad x \quad \mapsto \quad f(x) = f(x_1, \ldots, x_n)$$