

Lecture 8.2: Taylor's formula

Optimization and Computational Linear Algebra for Data Science

Functions of one variable

$$\begin{array}{lll} f : \mathbb{R} & \rightarrow & \mathbb{R} \\ x & \mapsto & f(x) \end{array}$$

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Functions of n variables

$$\begin{array}{lll} f : \mathbb{R}^n & \rightarrow & \mathbb{R} \\ x & \mapsto & f(x) = f(x_1, \dots, x_n) \end{array}$$