

# Incomplete mini-overview of optimisers

Michael Clerx

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## **Abstract**

Brief overview of derivative-base methods, because some concepts come up again later. Then longer overview of derivative-free methods. Then some meta-methods, that use other methods.

## **1 Derivative-based methods**

### **1.1 Root-finding methods**

#### **1.1.1 Newton's method**

## **2 Derivative-free methods**

Example reference (Nelder and Mead, 1965)

## **3 Meta-metods**

## **References**

Nelder, J.A., Mead, R., 1965. A simplex method for function minimization. *The Computer Journal* 7, 308–313.