
Optimatic Documentation

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CHAPTER 1

Introduction

To use `optimatic`, first define the function you want to optimise:

```
def f(x):  
    return (x - 2.4) ** 2
```

Some optimisation methods (e.g. gradient descent) also require you to define the derivative of your function:

```
def df(x):  
    return 2 * (x - 2.4)
```

Then import and initialise the optimiser you want to use, e.g.:

```
from optimatic.grad_desc import Optimiser  
opt = Optimiser(f, df, 6.0)
```

Then run either `opt.step()` to run one step of the chosen optimisation algorithm, or `opt.optimise()` to run until either `opt.steps` is exceeded, or `opt.precision` is met. See `Optimiser()` for more details.

CHAPTER 2

Indices and tables

- `genindex`
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