Machine learning for practical projects

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Chapter 1

Introduction

The `finmetrika-ml` library is a machine learning library for practical projects, predominantly for the financial industry.

The library is organized as follows:

```
finmetrika_ml
├── data
│   ├── processing.py
│   └── vizualization.py
├── model
│   ├── training.py
│   ├── evaluation.py
│   └── metrics.py
└── utils.py
```

To install use the `pip` command in your virtual environment:

```
pip install finmetrika_ml
```

Chapter 2

Data Processing

Utility functions - `utils`

Various utility functions for checking and defining compute engine, logging and creating the experimentation documentation.

`check_device()`

Check which compute device is available on the machine.

Args:
verbose (bool): verbose argument - prints all

`set_all_seeds()`

Set the seed for all packages: python, numpy, torch, torch.cuda, and mps

Args:
seed (int): Positive integer value.