
Tensionflow Documentation

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CHAPTER 1

Readme File

Tensionflow

```
[![Build Status](https://travis-ci.org/Curly-Mo/tensionflow.svg?branch=master)](https://travis-ci.org/Curly-Mo/tensionflow)
[![Coverage](https://coveralls.io/repos/github/Curly-Mo/tensionflow/badge.svg)](https://coveralls.io/github/Curly-Mo/tensionflow)
[![Documentation](https://readthedocs.org/projects/tensionflow/badge/?version=latest)](https://tensionflow.readthedocs.org/en/latest/?badge=latest)
[![PyPI](https://img.shields.io/pypi/v/tensionflow.svg)](https://pypi.python.org/pypi/tensionflow)
[![PyPI Pythons](https://img.shields.io/pypi/pyversions/tensionflow.svg)](https://pypi.python.org/pypi/tensionflow)
[![License](https://img.shields.io/pypi/l/tensionflow.svg)](https://github.com/Curly-Mo/tensionflow/blob/master/LICENSE)
```

A Tensorflow framework for working with audio data.

Features

- TODO

Usage

- TODO

Install

```
`console pip install tensionflow `
```

Documentation See <https://tensionflow.readthedocs.org/en/latest/>

```
## Development`console pip install poetry cd tensionflow poetry install `### Run To
run cli entryptoint: `console poetry run tensionflow --help `
```

```
### Tests`console poetry run tox `
```

```
### Docker To run with docker `console docker build -t tensionflow . docker run
tensionflow:latest tensionflow --help `
```


CHAPTER 2

tensionflow

2.1 tensionflow package

2.1.1 Subpackages

tensionflow.datasets package

Submodules

tensionflow.datasets.fma module

tensionflow.datasets.nsynth module

Module contents

tensionflow.models package

Submodules

tensionflow.models.base module

tensionflow.models.convpoolmodel module

Module contents

tensionflow.util package

Submodules

tensionflow.util.cli_util module

4 Module contents

Chapter 2. tensionflow

tensionflow.util.default_of_type (dtype=<class 'int'>)


```
tensionflow.util.get_all_subclasses(cls)
tensionflow.util.identity_func(*args)
tensionflow.util.indexify(labels, label_dict=None)
tensionflow.util.map_if_collection(func, obj)
tensionflow.util.one_hot(index_labels, num_labels)
tensionflow.util.one_hot_to_some_hot(Y)
tensionflow.util.one_hotify(labels, label_dict=None)
tensionflow.util.wrap_tf_py_func(py_func, Tout)
```

2.1.2 Submodules

tensionflow.cli module

tensionflow.feature module

tensionflow.processing module

```
class tensionflow.processing.Preprocessor(func, flatten=False)
    Bases: object
    apply(dataset)

class tensionflow.processing.PythonPreprocessor(func, output_dtypes, output_shapes,
                                                *args, **kwargs)
    Bases: tensionflow.processing.Preprocessor
    apply(dataset)
```

2.1.3 Module contents

CHAPTER 3

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- `modindex`
- `search`

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