
ensemble

Release 0.0.2

Aug 05, 2019

Contents:

1	Installation	3
2	Features	5
3	The API Documentation / Guide	7
3.1	API Documentation	7
4	Contribute	9
5	Support	11
6	License	13
	Python Module Index	15
	Index	17

ensemble lets you combine your models and access them by a single object, called an ensemble. You may use that ensemble to multiplex between your models, call them all, and aggregate the results. You may even create ensembles of ensembles. *ensemble* borrows the idea of computation graph sessioning from tensorflow and implements the composite pattern for building tree hierarchies.

Look how easy it is to use:

```
from ensemble import Ensemble

# define a model
def square(x):
    return x**2

# build an ensemble
e = Ensemble(name='e1', children=[square])

# call square from the ensemble
e.multiplex('square', x=2) # returns 4
```


CHAPTER 1

Installation

Install ensemble by running:

```
pip install ensemble-pkg
```


CHAPTER 2

Features

- Create model ensembles
- Multiplex between models
- Call all models
- Aggregate model results
- Do weighted sums, means, votes, and more

The API Documentation / Guide

If you are looking for information on a specific function, class, or method, this part of the documentation is for you.

3.1 API Documentation

This part of the documentation covers all the interfaces of ensemble. For parts where ensemble depends on external libraries, we document the most important right here and provide links to the canonical documentation.

3.1.1 Main Interface

All of ensemble's functionality can be accessed by these objects.

3.1.2 Internal Objects

CHAPTER 4

Contribute

- Issue Tracker: <https://github.com/sarthfrey/ensemble/issues>
- Source Code: <https://github.com/sarthfrey/ensemble>

CHAPTER 5

Support

If you are having issues, please let us know! Submit an issue, or if you're feeling adventurous, a PR :)

CHAPTER 6

License

The project is licensed under the MIT license.

e

ensemble, 7

E

ensemble (*module*), 7