NAS Framework Documentation

Release 0.1

Vladislav Zavadskyy

May 09, 2018

Framework:

1 Architect **1**

2 Search Spaces **3**
2.1 Base . . . 3
2.2 Multilayer Perceptron . . . 3
2.3 Recurrent Neural Network . . . 3

3 Training Classes **5**
3.1 Base . . . 5
3.2 Architect . . . 5
3.3 Feed Forward . . . 5
3.4 Recurrent . . . 5

4 Storage **7**
4.1 Plain Storage . . . 7
4.2 Curriculum Storage . . . 7

5 Scripts **9**
5.1 Reusable training functions . . . 9
5.2 Jigsaw Toxic Comment dataset training . . . 9

6 Utility functions and classes **11**
6.1 Torch-related . . . 11
6.2 Miscellaneous . . . 11

7 Data Loaders **13**
7.1 Text loader . . . 13

8 Go to **15**

CHAPTER 1

Architect

CHAPTER 2

Search Spaces

2.1 Base

2.2 Multilayer Perceptron

2.3 Recurrent Neural Network

CHAPTER 3

Training Classes

3.1 Base

3.2 Architect

3.3 Feed Forward

3.4 Recurrent

CHAPTER 4

Storage

4.1 Plain Storage

4.2 Curriculum Storage

CHAPTER 5

Scripts

5.1 Reusable training functions

5.2 Jigsaw Toxic Comment dataset training

CHAPTER 6

Utility functions and classes

6.1 Torch-related

6.2 Miscellaneous

CHAPTER 7

Data Loaders

7.1 Text loader

CHAPTER 8

Go to

- genindex
- modindex