
Padatious Documentation

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Matthew Scholefield

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Contents:

1	IntentContainer	3
2	MatchData	5

An efficient and agile neural network intent parser

IntentContainer

class `padatious.IntentContainer` (*cache_dir*)

Creates an IntentContainer object used to load and match intents

Parameters `cache_dir` (*str*) – Place to put all saved neural networks

calc_intent (*query*)

Tests all the intents against the query and returns match data of the best intent

Parameters `query` (*str*) – Input sentence to test against intents

Returns Best intent match

Return type *MatchData*

calc_intents (*query*)

Tests all the intents against the query and returns data on how well each one matched against the query

Parameters `query` (*str*) – Input sentence to test against intents

Returns List of intent matches

Return type `list<MatchData>`

See `calc_intent()` for a description of the returned *MatchData*

load_file (*name, file_name, reload_cache=False*)

Loads an intent, optionally checking the cache first

Parameters

- **name** (*str*) – The associated name of the intent
- **file_name** (*str*) – The location of the intent file
- **reload_cache** (*bool*) – Whether to force regenerating all cache files rather than using them to load from

train (*print_updates=True, single_thread=False*)

Trains all the loaded intents that need to be updated If a cache file exists with the same hash as the intent file, the intent will not be trained and just loaded from file

Parameters `print_updates` (*bool*) – Whether to print a message to stdout each time a new intent is trained

MatchData

```
class padatious.MatchData (name, sent, matches=None, conf=0.0)
    A set of data describing how a query fits into an intent

    name
        str – Name of matched intent

    sent
        str – The query after entity extraction

    conf
        float – Confidence (from 0.0 to 1.0)

    matches
        dict of str -> str – Key is the name of the entity and value is the extracted part of the sentence
```


C

`calc_intent()` (`padatious.IntentContainer` method), [3](#)
`calc_intents()` (`padatious.IntentContainer` method), [3](#)
`conf` (`MatchData` attribute), [5](#)

I

`IntentContainer` (class in `padatious`), [3](#)

L

`load_file()` (`padatious.IntentContainer` method), [3](#)

M

`MatchData` (class in `padatious`), [5](#)
`matches` (`MatchData` attribute), [5](#)

N

`name` (`MatchData` attribute), [5](#)

S

`sent` (`MatchData` attribute), [5](#)

T

`train()` (`padatious.IntentContainer` method), [3](#)