

# Package ‘NLPutils’

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**Version** 0.0-5.1

**Title** Natural Language Processing Utilities

**Description** Utilities for Natural Language Processing.

**License** GPL-2

**Imports** NLP (>= 0.1-11.3), SnowballC, qdap, utils

**NeedsCompilation** no

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diversity	<i>Document Diversity Annotator</i>
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## Description

Generate an annotator which computes document diversity annotations for English documents using `diversity()` from package **qdap**.

## Usage

`QDAP_Diversity_Annotator()`

**Value**

A [Annotator](#) object giving the generated document diversity annotator.

**Examples**

```
require("NLP")
doc <- readRDS(system.file("texts", "stanford.rds", package = "NLP"))
s <- content(doc)
a <- annotation(doc)

diversity_annotator <- QDAP_Diversity_Annotator()
diversity_annotator(s, a)
```

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formality

*Document Formality Annotator*

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**Description**

Generate an annotator which computes document formality annotations for English documents using [formality\(\)](#) from package [qdap](#).

**Usage**

```
QDAP_Formality_Annotator()
```

**Value**

A [Annotator](#) object giving the generated document formality annotator.

**Examples**

```
require("NLP")
doc <- readRDS(system.file("texts", "stanford.rds", package = "NLP"))
s <- content(doc)
a <- annotation(doc)

formality_annotator <- QDAP_Formality_Annotator()
formality_annotator(s, a)
```

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polarity

*Sentence Polarity Annotator*

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### Description

Generate an annotator which computes sentence polarity annotations for English documents using `polarity()` from package **qdap**.

### Usage

```
QDAP_Polarity_Annotator()
```

### Value

A `Annotator` object giving the generated sentence polarity annotator.

### Examples

```
require("NLP")
doc <- readRDS(system.file("texts", "stanford.rds", package = "NLP"))
s <- content(doc)
a <- annotation(doc)

polarity_annotator <- QDAP_Polarity_Annotator()
polarity_annotator(s, a)
```

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stem

*Word Stem Annotator*

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### Description

Generate an annotator which computes word stem annotations using `wordStem()` from package **SnowballC**.

### Usage

```
Snowball_Stem_Annotator(language = "porter")
```

### Arguments

`language` a character string giving the document language. See the documentation for `wordStem()` for more information.

### Value

A `Annotator` object giving the generated word stem annotator.

**Examples**

```
require("NLP")
doc <- readRDS(system.file("texts", "stanford.rds", package = "NLP"))
s <- content(doc)
a <- annotation(doc)

stem_annotator <- Snowball_Stem_Annotator()
stem_annotator(s, a)
```

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