

Package ‘piton’

November 15, 2020

Type Package

Title Parsing Expression Grammars in Rcpp

Version 1.0.0

URL <https://github.com/Ironholds/piton>

BugReports <https://github.com/Ironholds/piton/issues>

Author Os Keyes [aut, cre], Duncan Garmonsway [ctb], Colin Hirsch [cph], Daniel Frey [cph]

Maintainer Os Keyes <ironholds@gmail.com>

Description A wrapper around the 'Parsing Expression Grammar Template Library', a C++11 library for generating Parsing Expression Grammars, that makes it accessible within Rcpp. With this, developers can implement their own grammars and easily expose them in R packages.

License MIT + file LICENSE

Encoding UTF-8

LazyData true

LinkingTo Rcpp

Imports Rcpp

SystemRequirements C++11

RoxygenNote 7.1.1

Suggests testthat

Date 2020-11-02

NeedsCompilation yes

Repository CRAN

Date/Publication 2020-11-15 17:00:02 UTC

R topics documented:

peg_sum	2
piton	2

Index	3
--------------	----------

`peg_sum`*Example PEG*

Description

an example of a Parsing Expression Grammar (PEG) that takes a comma-separated string of digits and sums them together

Usage

```
peg_sum(x)
```

Arguments

`x` a vector of strings, each containing a comma-separated set of digits

Value

a vector of numbers, containing either the sum of the equivalent element of `x` or (if the element could not be parsed) NA.

Examples

```
# Simple example
peg_sum("1,2, 5, 91, 34")
```

`piton`*Parsing Expression Grammars in Rcpp*

Description

This package wraps the PEGTL library to make Parsing Expression Grammars available to R/C++ developers. As an exported, header-only package, it can be included in other Rcpp codebases using `depends` functionality, and is platform-independent.

See Also

the [README](#), or [peg_sum](#) for an example.

Index

`peg_sum`, [2](#), [2](#)

`piton`, [2](#)

`piton-package (piton)`, [2](#)