Package ‘backpipe’

October 12, 2022

Type Package

Title Backward Pipe (Right-to-Left) Operator

Version 0.2.3

Date 2018-06-25

Description Provides a backward-pipe operator for 'magrittr' (%<%) or 'pipeR' (%<<%) that allows for a performing operations from right-to-left. This allows writing more legible code where right-to-left ordering is natural. This is common with hierarchies and nested structures such as trees, directories or markup languages (e.g. HTML and XML).

The package also includes a R-Studio add-in that can be bound to a keyboard shortcut.

Depends R (>= 3.1.0)

Suggests magrittr (>= 1.5), pipeR (>= 0.6.0.6), R6 (>= 2.1.1), testthat (>= 1.0.0), shiny (>= 0.12.1), knitr (>= 1.11), rstudioapi (>= 0.7), rmarkdown

License GPL-2 | file LICENSE

URL https://github.com/decisionpatterns/backpipe

BugReports https://github.com/decisionpatterns/backpipe/issues

RoxygenNote 6.0.1.9000

Encoding UTF-8

VignetteBuilder knitr

Repository CRAN

NeedsCompilation no

Author Christopher Brown [aut, cre],
Decision Patterns [cph]

Maintainer Christopher Brown <chris.brown@decisionpatterns.com>

Date/Publication 2018-06-26 04:38:34 UTC
**R topics documented:**

backpipe ................................................................. 2
insert_backpipe .......................................................... 3
%<% ................................................................. 3

Index 5

<table>
<thead>
<tr>
<th>backpipe</th>
<th>backpipe</th>
</tr>
</thead>
</table>

**Description**

Creates backpiping operators

**Usage**

backpipe(pipe, backpipe = gsub(">", "<", pipe))

**Arguments**

- **pipe** character; string representing the existing pipe operator
- **backpipe** character; string representing the desired backpipe operator

**Details**

Only pipe is necessary. Arbitrary mixing of forward and reverse are not allowed.

**References**

https://github.com/smbache/magrittr/issues/26
http://stackoverflow.com/questions/31305342/is-right-to-left-operator-associativity-in-r-possible

**See Also**

%>>%
%<<%

**Examples**

backpipe('%>%')
backpipe('%>>%', '%<<%')
**insert_backpipe**  

**Insert backpipe**

---

**Description**

Call this function to insert \%\lt;-% at the cursor position.

**Usage**

```
insert_backpipe()
```

**Details**

Use Tools > Modify Keyboard Shortcuts to bind a ->&; ->&;.

---

\%<\%

**backpipes: \%<\%, %«%**

---

**Description**

Provides back-piping operators \%<\% (magrittr) or \%<<\% (pipeR) allowing a reverses (right-to-left) order of arguments.

**Usage**

```
lhs \%<\% rhs
```

```
lhs \%<<\% rhs
```

**Arguments**

- **lhs**: argument on the lhs of the backpipe
- **rhs**: argument on the rhs of the backpipe

**Details**

- \%<\% works with magrittr. \%<<\% works with pipeR. They are both based on backpipe.

- Other magrittr operators and complex expressions are not supported yet.

- It is not possible to mix forward and backward piping in the same expression because of likely ambiguous results.
References

https://github.com/smbache/magrittr/issues/26
http://stackoverflow.com/questions/31305342/is-right-to-left-operator-associativity-in-r-possible

See Also

%<%
%>>%
Index

%<% (%<%), 3
%<%, 3
%>%%, 2, 4
%>>%, 2, 4

backpipe, 2, 3

insert_backpipe, 3