Package 'ViewPipeSteps'

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Type Package

Title Create View Tabs of Pipe Chains

Version 0.1.0

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Description Debugging pipe chains often consists of viewing the output after each step. This package adds RStudio addins and two functions that allow outputing each or select steps in a convenient way.

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Encoding UTF-8

Imports dplyr, rstudioapi, tibble

RoxygenNote 7.1.0

NeedsCompilation no

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Contents

printPipeChain *Prints each pipe step in current text selection*

Description

Reads the currently selected text from the RStudio API and prints for each pipe step the resulting object if unique. Data frames are converted by as_tibble(). Meant to be called as an RStudio addin.

Reads the currently selected text from the RStudio API and prints for each pipe step the resulting object if unique. Data frames are converted by as.tibble(). Meant to be called as an RStudio addin.

Usage

```
printPipeChain()

printPipeChain()
```

Value

No return value, called for side effects

print_pipe_steps *Prints the return objects of all pipe steps to console*

Description

Added as last command to a pipe, prints for each pipe step the resulting object to the console if unique. Data frames are converted by as_tibble().

Usage

```
print_pipe_steps(.data, cmd = print_command, all = FALSE)
```

Arguments

.data	The data, normally handed over from the prior pipe step.
cmd	The command to be evaluated for each object. Takes ps object of step example.
all	Whether you want to print objects even if they are identical. Helpful when you want to display changes in grouping.

Value

The unchanged data

Examples

```
if (!require(dplyr)) stop("Examples need dplyr to run")
mtcars %>%
  filter(am == 1) %>%
  select(qsec) %>%
  print_pipe_steps() -> result

my_print_cmd <- c(
  "message(title);",
  "skimr::skim_tee(data = ps%d)"
)

mtcars %>%
  select(am, hp, mpg) %>%
  group_by(am) %>%
  print_pipe_steps(my_print_cmd, all = TRUE) %>%
  summarize(
    nobs = n(),
    mean_hp = mean(hp),
    mean_mpg = mean(mpg)
  )
```

`viewPipeChain` *Creates a View() output for each pipe step in current text selection*

Description

Reads the currently selected text from the RStudio API and displays a data view in the source pane for each pipe step creating a unique object. Meant to be called as an RStudio addin.

Reads the currently selected text from the RStudio API and displays a data view in the source pane for each pipe step creating a unique object. Meant to be called as an RStudio addin.

Usage

```
viewPipeChain()
```

```
viewPipeChain()
```

Value

No return value, called for side effects

%P>% %P>% *Prints and pipes*

Description

This pipe variant prints the object received from the left hand side prior to piping it to the right hand side.

Usage

```
lhs %P>% rhs
```

Arguments

lhs	The left hand side of the pipe.
rhs	The right hand side of the pipe.

Value

called for side effects

Note

This code is experimental. Use at your own risk.

Examples

```
if (!require(dplyr)) stop("Examples need dplyr to run")
mtcars %>%
  filter(am == 1) %P>%
  select(qsec)
```

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