Package: glueformula (via r-universe)

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Type Package

Title String interpolation to build regression formulas

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Description Has the main function gl that is a variant of glue. It is useful for building regression formulas given vectors of variable names.

License GPL >= 2.0

Encoding UTF-8

LazyData true

Imports glue, utils, methods

RoxygenNote 7.1.1

Repository https://skranz.r-universe.dev

RemoteUrl https://github.com/skranz/glueformula

RemoteRef master

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Contents

`gf` *String interpolation to build regression formulas from vectors with variable names.*

Description

Insert vectors with variable names into { } placeholder in a formula and collapse vectors with +.

Usage

```
gf(
  form,
  values = list(),
  enclos = parent.frame(),
  as.formula = TRUE,
  form.env = parent.frame(),
  collapse = " + "
)
```

Arguments

`form` A formula or string of a formula. E.g. `y~x+{controls}` where `controls` is a character vector with variables that will be inserted.

`values` A named list containing the vectors of variable names. If empty the enclosing environment will be searched.

`enclos` the enclosing environment in which the vectors with variable names will be taken if not provided by values. By default the calling enviornment.

`as.formula` if `TRUE` (default) return a formula object, otherwise a string.

`form.env` The environment assigned to the returned formula. By default the calling environment.

`collapse` how shall variables in a vector be collapsed. Default `" # "`.

Details

An adaption of the `glue` function specialized to build regression formulas from variable names stored in vectors.

Examples

```
# Assume we want to estimate a demand function
# using ivreg

contr = c("x1","x2","x3") # exogenous control variables
instr = c(contr, "z1","z2") # instruments

# Replace {contr} and {instr} in formula
gf(q ~ p + {contr} | {instr})
```

```
# You could also provide the formula as string
gf("q ~ p + {contr} | {instr}")
```

varnames_snippet *Creates a simple snippet code to generate a string vector of all column names of a data frame*

Description

The if the data frame has 3 columns named "x", "y" and "name with space" the function cats and on windows also copies to your clipboard the following code:

Usage

```
varnames_snippet(x)
```

Arguments

`x`	A data frame or other objects with `names`.

Details

`c("x","y","`name with space`")`

This can be helpful to specify vectors of control variables when using `gf`. If there are many variables it is just easier to remove not-used variables from the created code snippet than to write down manually all used variables.

Examples

```
df = data.frame(x=1,y=5,z=4,`a b`=4)
varnames_snippet(df)
```

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