Package 'gvc'

April 23, 2020
Version 5.2.0
Title Global Value Chains Tools
Description Several tools for Global Value Chain ('GVC') analysis are implemented.
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Depends R (>= 2.10)
License GPL-3
<pre>URL https://qua.st/gvc, https://github.com/bquast/gvc</pre>
<pre>BugReports https://github.com/bquast/gvc/issues</pre>
Imports decompr, diagonals
Suggests testthat, knitr
VignetteBuilder knitr
RoxygenNote 7.1.0
Encoding UTF-8
NeedsCompilation no
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Repository CRAN
Date/Publication 2020-04-23 16:20:05 UTC
R topics documented:
dfddva dfdfva downstream e2r ffddva gvc i2e nrca upstream

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dfddva

Domestic Final Demand Domestic Value Added

Description

Domestic Final Demand Domestic Value Added

Usage

```
dfddva(x, aggregate = FALSE)
```

Arguments

х

A Leontief decomposed Inter-Country Input Output table as created by decompr, which should be post multiplied with final demand (using the parameter: post="final_demand")

aggregate

should dfddva be aggregated along source industries to a national sum?

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dfdfva

Domestic Final Demand Foreign Value Added

Description

Domestic Final Demand Foreign Value Added

Usage

```
dfdfva(x, aggregate = FALSE)
```

Arguments

Х

A Leontief decomposed Inter-Country Input Output table as created by decompr, which should be post multiplied with final demand (using the parameter: post="final_demand")

aggregate

should dfddva be aggregated along source industries to a national sum?

Examples

downstream

Downstreamness

Description

Downstreamness

Usage

```
downstream(x)
```

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Arguments

Χ

an object of class "decompr" as created using the load_tables_vectors() function from the decompr package.

Examples

e2r

Exporting to Re-export

Description

Exporting to Re-export

Usage

```
e2r(x, by = NULL, subset = NULL)
```

Arguments

x A Leontief decomposed Inter-Country Input Output table as created by decompr

by variable to subset by

subset value(s) of the subset variable to select

```
# load the decompr package
library(decompr)
# load the example data set
data(leather)
# create a leontief decomposed data set
```

ffddva 5

ffddva

Foreign Final Demand Domestic Value Added

Description

Foreign Final Demand Domestic Value Added

Usage

```
ffddva(x, aggregate = FALSE)
```

Arguments

Χ

A Leontief decomposed Inter-Country Input Output table as created by decompr, which should be post multiplied with final demand (using the parameter:

post="final_demand")

aggregate

should dfddva be aggregated along source industries to a national sum?

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gvc

Global Value Chain analysis

Description

Several tools for Global Value Chain ('GVC') analysis are implemented.

Author(s)

Bastiaan Quast

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References

Wang, Zhi, Shang-Jin Wei, and Kunfu Zhu. Quantifying international production sharing at the bilateral and sector levels. No. w19677. National Bureau of Economic Research, 2013.

See Also

https://qua.st/decompr

i2e

Importing to Export

Description

Importing to Export

Vertical Specialization

Vertical Specialisation

Usage

```
i2e(x, by = NULL, subset = NULL)
vertical_specialisation(x, by = NULL, subset = NULL)
vertical_specialization(x, by = NULL, subset = NULL)
```

Arguments

x A Leontief decomposed Inter-Country Input Output table as created by decompr

by variable to subset by

subset value(s) of the subset variable to select

nrca 7

Examples

nrca

New Revealed Comparative Advantage

Description

New Revealed Comparative Advantage

Usage

nrca(x)

Arguments

Χ

A decomposed Inter-Country Input Output table as created by decompr

8 upstream

```
# load gvc package
library(gvc)

# perform New Revealed Comparative Advantage
nrca(1)
```

upstream

Upstreamness

Description

Upstreamness

Usage

upstream(x)

Arguments

Х

an object of class "decompr" as created using the load_tables_vectors() function from the decompr package.

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