

Package: DOORMAT (via r-universe)

August 28, 2024

Type Package

Title Data processor for IMPACT model (Data prOcessor fOR iMpAcT)

Version 3.14.1

Description Data processor for IMPACT model.

License GPL (>= 3)

Encoding UTF-8

RoxygenNote 7.2.3

Imports pak (>= 0.7.1), utils, rlang (>= 1.1.2), usethis (>= 2.2.2),
readxl (>= 1.4.3), dplyr (>= 1.1.3), lintr (>= 3.1.1), drat (>=
0.2.4.1), gert (>= 2.0.0), devtools (>= 2.4.5.9000)

Suggests gamstransfer (>= 1.12)

Remotes github::eddelbuettel/drat

Additional_repositories <https://ifpri.github.io/drat>

Repository <https://ifpri.r-universe.dev>

RemoteUrl <https://github.com/IFPRI/DOORMAT>

RemoteRef HEAD

RemoteSha c250899daebc2dba2a95a2b0507defdd0823c193

Contents

aggregateIMPACT	2
buildPackage	3
drat_source_build	3
findMapping	4
readGDX	5
tool_get_domain_mapping	6
tool_get_mapping	6
update_namespace_description	7

Index	8
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aggregateIMPACT *Function to aggregate IMPACT results at a specified level*

Description

Function to aggregate IMPACT results at a specified level

Usage

```
aggregateIMPACT(  
  df = NULL,  
  level = "regglo",  
  aggr_type = "sum",  
  sp_mapping = "Standard-IMPACT_dis1",  
  keep_cty = FALSE  
)
```

Arguments

df	Specific IMPACT results as a list object. Likely output of readGDX
level	"reg" Short for regional. "regglo" for regional+global result being passed on to this function
aggr_type	sum or mean
sp_mapping	Column from Aggregation Regions sheet
keep_cty	Overwriting flag for regional aggregation. If set to TRUE, provides only country level data.

Value

Country or FPU level aggregation of IMPACT results

Author(s)

Abhijeet Mishra

Examples

```
## Not run:  
aggregateIMPACT()  
  
## End(Not run)
```

buildPackage	<i>Build package utility</i>
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Description

Build package utility

Usage

```
buildPackage(lib = ".", quiet = FALSE, ignore_lintr = FALSE)
```

Arguments

lib	Path to library
quiet	If CMD check output is sent to terminal. Set to TRUE if additional info is not needed
ignore_lintr	If lintr should be ignored for readability

Author(s)

Abhijeet Mishra

Examples

```
## Not run:  
buildPackage()  
  
## End(Not run)
```

drat_source_build	<i>Build package utility for DRAT linkage of IFPRI R packages</i>
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Description

Build package utility for DRAT linkage of IFPRI R packages

Usage

```
drat_source_build(lib = ".")
```

Arguments

lib	Path to library
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Author(s)

Abhijeet Mishra

Examples

```
## Not run:
drat_source_build()

## End(Not run)
```

findMapping	<i>Function to get IMPACT mapping for crops, activities, regions(from country) This function is just a glorified file reader as you can provide any mapping you want. See description below.</i>
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Description

Function to get IMPACT mapping for crops, activities, regions(from country) This function is just a glorified file reader as you can provide any mapping you want. See description below.

Usage

```
findMapping(name = NULL, file = "default_mappings.xlsx", multimap = FALSE, ...)
```

Arguments

name	Name of mapping to get. You can provide any name here but the options when using default mapping are <ul style="list-style-type: none"> • "c" -> Crops • "j" -> Activities • "cty" -> Countries with 6 CGIAR region mappings <p>If using the "multimap" switch for this function. Your mapping MUST have the first column named "type" which should contain the same text as "name" parameter of this function. For example, if the "type" column is filled with "blabla" then the "name" parameter here should also be called "blabla". In default example, for crops, the "type" column is filled with "c" in the default file.</p>
file	Mapping file in excel format. Uses the file provided with this package by default.
multimap	If the mapping file contains multiple mappings in single file. See the "default_mappings.xlsx" file provided with this package for example. There, single excel file contains "j", "c" and "cty" mappings. You have to stick to naming conventions described above if you activate this switch. Defaults to FALSE. Set it to TRUE if using multiple mapping in 1 file If "multimap" is set to TRUE, your mapping MUST have the first column named "type" which should contain the same text as "name" parameter of this function. For example, if the "type" column is filled with "blabla" then the "name" parameter here should also be called "blabla". In default example, for crops, the "type" column is filled with "c" in the default file.
...	All other parameters to be passed on to read_xlsx function for reading the excel file of mapping using read_xlsx. See ?read_xlsx.

Author(s)

Abhijeet Mishra

Examples

```
## Not run:  
getMapping(name = "c")  
  
## End(Not run)
```

readGDX

R utility package for reading objects from a GDX file.

Description

R utility package for reading objects from a GDX file.

Usage

```
readGDX(  
  gdx,  
  name,  
  use_model_name = "IMPACT",  
  verbosity = FALSE,  
  quick_df = FALSE  
)
```

Arguments

gdx	Path to the.gdx file
name	name of the parameter being read
use_model_name	Which model name should be shown. Use "IMPACT" for IMPACT results.
verbosity	If additional messages should be printed about variable being read
quick_df	if description and model name column should be dropped

Value

Parameter and domain of.gdx output result queried

Author(s)

Abhijeet Mishra

Examples

```
## Not run:  
readGDX()  
  
## End(Not run)
```

tool_get_domain_mapping

Function which pulls the domain list

Description

Function which pulls the domain list

Usage

```
tool_get_domain_mapping(domain = NULL, file = "mapping_items.xlsx")
```

Arguments

domain	set
file	Mapping file

Value

Mapping object for IMPACT framework

Author(s)

Abhijeet Mishra

Examples

```
## Not run:
tool_get_mapping()

## End(Not run)
```

tool_get_mapping

Function for getting correct mapping of IFPRI regions (CTY to regions)

Description

Function for getting correct mapping of IFPRI regions (CTY to regions)

Usage

```
tool_get_mapping(
  type = NULL,
  file = "mapping_items.xlsx",
  sheet = NULL,
  sp_mapping = "Standard-IMPACT_dis1"
)
```

Arguments

type	Defaults to "cty" for country mapping. Choose "fpu" for IMPACT FPU mapping.
file	Mapping file
sheet	Sheet from which data is read. Ideally output of tool_get_domain_mapping function
sp_mapping	Column from Aggregation Regions sheet

Value

Mapping object for IMPACT framework

Author(s)

Abhijeet Mishra

Examples

```
## Not run:  
tool_get_mapping()  
  
## End(Not run)
```

update_namespace_description
Simple update for latest dependencies

Description

Simple update for latest dependencies

Usage

```
update_namespace_description(pkg = ".")
```

Arguments

pkg	Package directory
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Author(s)

Abhijeet Mishra

Examples

```
## Not run:  
update_namespace_description()  
  
## End(Not run)
```

Index

aggregateIMPACT, [2](#)

buildPackage, [3](#)

drat_source_build, [3](#)

findMapping, [4](#)

readGDx, [5](#)

tool_get_domain_mapping, [6](#)

tool_get_mapping, [6](#)

update_namespace_description, [7](#)