Package: pacta.multi.loanbook (via r-universe)

October 9, 2026

Title Run 'PACTA' on Multiple Loan Books Easily

Version 0.1.1.9000

Description Run Paris Agreement Capital Transition Assessment ('PACTA') analyses on multiple loan books in a structured way. Provides access to standard 'PACTA' metrics and additional 'PACTA'-related metrics for multiple loan books. Results take the form of 'csv' files and plots and are exported to user-specified project paths.

Encoding UTF-8

Imports cli (>= 3.2.0), config, dplyr, ggalluvial, ggplot2, ggrepel, glue, r2dii.analysis (>= 0.3.0), r2dii.data (>= 0.5.0), r2dii.match (>= 0.3.0), r2dii.plot (>= 0.4.0), readr (>= 2.0.0), readxl, rlang, scales, tidyr, yaml, yesno

Depends R (>= 4.1.0)

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`analyse` *Analyse the loan book data sets used in the PACTA for Supervisors analysis*

Description

`analyse()` runs the necessary steps to analyse the matched loan books, producing both the outputs of the standard PACTA analysis and the outputs of the net aggregated alignment metric, including tables and plots. Parameters for all steps are read from a `config.yml` file. The function is called for its side effects and writes the prepared and diagnosed data sets in the directory specified by `dir_analysis` in the `config.yml`.

`analyse()` and `analyze()` are synonyms.

Usage

```
analyse(config)

analyze(config)
```

Arguments

`config`	either a path to a config.yml file or a list of parameters

Value

`analyse()` returns `NULL` invisibly. The function is called for its side effects and writes the prepared and diagnosed data sets in the directory specified by `dir_analysis` in the `config.yml`.

Examples

```
## Not run:
config <- "path/to/config.yml"
analyse(config)

## End(Not run)
```

`data_dictionary` *Data dictionary*

Description

An overview of the output data sets generated by the package, their data types, and the definitions of the variables.

Usage

```
data_dictionary
```

Format

`data_dictionary`**:**

dataset Name of the dataset

column Name of the column

typeof Data type of the column

definition Description of what the column stands for

value Which values are allowed for the column ...

Details

For more details see the help vignette: `vignette("data_dictionary", package = "pacta.multi.loanbook")`

Source

internal

initialise_default_project

Initialise a project directory and its config file

Description

`initialise_default_project()` sets up a default project directory, including a project directory, a default `config.yml` configuration file, an `input` sub-directory, and a `loanbooks` sub-directory.

Usage

```
initialise_default_project(path = "project")

initialize_default_project(path = "project")
```

Arguments

`path`	an absolute or relative path pointing to the location you would like the project directory to be created

Value

`initialise_default_project()` returns `NULL` invisibly. The function is called for its side effects of creating a default project directory at the specified path.

Examples

```
## Not run:
project_dir <- "path/to/project"
initialise_default_project(project_dir)

## End(Not run)
```

match_loanbooks

Match raw input loan books with ABCD for PACTA for Supervisors analysis

Description

`match_loanbooks()` runs the necessary steps to match the raw input loan books with the asset based company data (ABCD) used in the PACTA for Supervisors analysis. Specifically, it prepares matched loan books based on name matching or direct identifiers, depending on the configuration. The output matched loan books need to be manually validated for further processing. Parameters for the matching step are read from a `config.yml` file and follow the options available in `r2dii.match::match_name`. The function is called for its side effects and writes the prepared data sets to the directory specified by `dir_matched_loanbooks` in the `config.yml`.

Usage

```
match_loanbooks(config)
```

Arguments

config	either a path to a config.yml file or a list of parameters

Value

match_loanbooks() returns NULL invisibly. The function is called for its side effects and writes the prepared data sets to the directory specified by dir_matched_loanbooks in the config.yml.

Examples

```
## Not run:
config <- "path/to/config.yml"
match_loanbooks(config)

## End(Not run)
```

---

prepare_abcd *Prepare input data sets for PACTA for Supervisors analysis*

Description

prepare_abcd() runs the necessary steps to prepare the input data sets for the PACTA for Supervisors analysis. Specifically it prepares the abcd_final data set by removing inactive companies if desired. And it allows preparing the ratios by which the exposures to counterparties are split along the sectors. Parameters for both steps are read from a config.yml file. The function is called for its side effects and writes the prepared data sets in the directory specified by dir_prepared_abcd in the config.yml.

Usage

```
prepare_abcd(config)
```

Arguments

config	either a path to a config.yml file or a list of parameters

Value

prepare_abcd() returns NULL invisibly. The function is called for its side effects and writes the prepared data sets in the directory specified by dir_prepared_abcd in the config.yml.

Examples

```
## Not run:
config <- "path/to/config.yml"
prepare_abcd(config)

## End(Not run)
```

`prioritise_and_diagnose` *Prioritise and diagnose the loan book data sets used in the PACTA for Supervisors analysis*

Description

`prioritise_and_diagnose()` runs the necessary steps to prioritise the matched loan books and diagnose both the match success rate and the coverage of the real economy assets by the matched loan books. Parameters for all steps are read from a `config.yml` file. The function is called for its side effects and writes the prepared and diagnosed data sets in the directory specified by `dir_prioritized_loanbooks_and_diagnostics` in the `config.yml`.

`prioritise_and_diagnose()` and `prioritize_and_diagnose()` are synonyms.

Usage

```
prioritise_and_diagnose(config)

prioritize_and_diagnose(config)
```

Arguments

`config`	either a path to a config.yml file or a list of parameters

Value

`prioritise_and_diagnose()` returns `NULL` invisibly. The function is called for its side effects and writes the prepared and diagnosed data sets in the directory specified by `dir_prioritized_loanbooks_and_diagnostics` in the `config.yml`.

Examples

```
## Not run:
config <- "path/to/config.yml"
prioritise_and_diagnose(config)

## End(Not run)
```

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