Package 'siera'

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Type Package

Title Generate Analysis Results Programmes Using ARS Metadata

Version 0.1.0

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Description Analysis Results Standard (ARS), a foundational standard by CDISC
(Clinical Data Interchange Standards Consortium), provides a logical
data model for metadata describing all components to calculate Analysis Results.
<https://www.cdisc.org/standards/foundational/analysis-results-standard>
Using 'siera' package, ARS metadata is ingested (JSON or Excel format),
producing programmes to generate Analysis Results Datasets (ARDs).

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Encoding UTF-8

RoxygenNote 7.3.2

Imports magrittr, dplyr, tibble, tidyr, jsonlite, stringr

Suggests knitr, rmarkdown

NeedsCompilation no

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Repository CRAN

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ARS_example   *Get path to ARS JSON example*

Description

siera comes bundled with some example files in its 'inst/extdata' directory. This function make them easy to access.

Usage

```
ARS_example(path = NULL)
```

Arguments

path   Name of file. If 'NULL', the example files will be listed.

Value

A list of example files (if path is NULL), or a file itself if path is used.

Examples

```
ARS_example()
ARS_example("ARS_V1_Common_Safety_Displays.json")
```

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readARS   *Ingest ARS (Analysis Results Standard) metadata, produce ARD
                           (Analysis Results Dataset) code for each output*

Description

Ingest JSON or xlsx ARS (Analysis Results Standard) metadata, and meta-programme R scripts that could be run as-is to produce Analysis Results Datasets when ingesting ADaM datasets

Usage

```
readARS(JSON_ARS, output_path = tempdir(), adam_path = "")
```

Arguments

JSON_ARS   A JSON file containing ARS metadata for a reporting event
output_path   Path to store .R ARD scripts
adam_path   Path to folder containing ADaM datasets, to be run in ARD program

Value

R programmes generating ARDs - one for each output specificied in the ARS JSON

Examples

```
# path to JSON file containing ARS metadata

json_path <- ARS_example("ARS_V1_Common_Safety_Displays.json")

# output path for R programs
output_dir = tempdir()

# folder containing ADaM datasets
adam_folder = tempdir()

# run function, write to temp directory
readARS(json_path, output_dir, adam_folder)
```

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