Package 'sandeephdi'

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Type Package

Title Analyse the HDI datasets

Version 1.0.0

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Description This package is aimed at analysing the HDI datasets and providing insights into the data. This data has mainly three important functions, the first is to read and load data. Second is to print and summarise the data. Last is to make a plot.

License open

Encoding UTF-8

LazyData true

RoxygenNote 7.3.2

Suggests knitr, rmarkdown

VignetteBuilder knitr

R topics documented:

create_hdro_data *Constructor for HDI Data Class*

Description

This function creates a new S3 class 'hdro_data'.

Usage

```
create_hdro_data(data)
```

Arguments

data	A data frame containing HDRO indicators.

Value

An object of class 'hdro_data'.

hdro_data *Constructor for HDRO Data Class*

Description

This function reads an HDI indicators CSV file and assigns appropriate data types to the columns This is Task 1 of the HDI project

Usage

```
hdro_data(data)
```

Arguments

data	A data frame containing HDI indicators.

Value

An object of class 'hdro_data'.

hello *Hello, World!*

Description

Prints 'Hello, world!'.

Usage

```
hello()
```

Examples

```
hello()
```

plot.hdro_data *Plot Method for HDRO Data Class*

Description

This function creates a plot for objects of class 'hdro_data'.

Usage

```
## S3 method for class 'hdro_data'
plot(x, indicator, ...)
```

Arguments

x	An object of class 'hdro_data'.
indicator	The indicator to be plotted.
...	Additional arguments passed to the plot method.

print.hdro_data *Print Method for HDRO Data Class*

Description

This function defines how objects of class 'hdro_data' are printed

Usage

```
## S3 method for class 'hdro_data'
print(x, ...)
```

Arguments

x	An object of class ‘hdro_data‘.
...	Additional arguments passed to the print method.

Details

Task 3 of the HDI project

`read_hdro_file` *Read HDRO Indicator File*

Description

This function reads an HDRO indicators CSV file and assigns appropriate data types to the columns.

This function reads an HDI indicators CSV file and assigns appropriate data types to the columns.

Usage

```
read_hdro_file(file_path)
```

```
read_hdro_file(file_path)
```

Arguments

file_path	The path to the HDI indicators CSV file.

Value

An object of class ‘hdro_data‘ with correctly assigned data types and cleaned column names.

An object of class ‘hdro_data‘ with correctly assigned data types and cleaned column names.

Examples

```
df <- read_hdro_file("path/to/hdro_indicators_COUNTRYNAME.csv")
df <- read_hdro_file("path/to/hdro_indicators_COUNTRYNAME.csv")
```

`sandeephdi` *sandeephdi: An R Package for HDI Indicator Data This package was created as part of an assignment.*

Description

The ‘sandeephdi‘ package provides functions to read, summarize, and plot any country’s HDI data.

Main Function

The main function in this package is ‘read_hdro_file‘, which reads an HDRO indicators CSV file and assigns appropriate data types to the columns.

Additional Functions

The package also provides methods for printing (‘print.hdro_data‘), summarizing (‘summary.hdro_data‘), and plotting (‘plot.hdro_data‘) the data.

`summary.hdro_data` *Summary Method for HDRO Data Class*

Description

This function provides a summary for objects of class ‘hdro_data‘.

Usage

```
## S3 method for class 'hdro_data'
summary(object, ...)
```

Arguments

`object`	An object of class ‘hdro_data‘.
`...`	Additional arguments passed to the summary method.

Details

Task 4

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