

Package ‘my1rpack’

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Type Package

Title Homework 2

Version 1.0

Date 2012-11-01

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Depends tikzDevice

Description There are a function for compiling plots and a database of medal count by countries.

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Description

There are a function for compiling plots and a database of medal count by countries.

Details

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License: GPL-3

Author(s)

Rong Fan <rfan4@jhu.edu>

References

12Fall 550400 Homework2 Description

Examples

```
require(my1rpack)

problem1('bmw1series', dnorm, c(-5, 5), 10, TRUE)
data(problem2)
```

problem1

Function for homework 2 problem 1

Description

This function plots the a function for a specified range using a specified number of sample points. The generated plot is in tex tikz format. With the last argument being TRUE, it compiles the generated tex file into a PDF file.

Usage

```
problem1(filename = NULL, fcname = NULL, nrange = NULL, nsample = NULL, compile = NULL)
```

Arguments

filename	The file name of the generated plot, without suffix.
fcname	A reference to a function.
nrange	Two-element array containing the lower and upper bound of the x values.
nsample	Number of sample points in the plot.
compile	A boolean variable indicating whether to generate the PDF file upon completion of the function call.

Value

Used for its side-effects.

Author(s)

Rong Fan <rfan4@jhu.edu>

Examples

```
problem1('bmw1series', dnorm, c(-5, 5), 10, TRUE)
```

problem2*Function for homework 2 problem 2*

Description

The data containing medal statistics by country.

Usage

```
data(problem2)
```

Format

A list-mode object with 45 slots, each of which contains the overall Gold, Silver, and Bronze medal counts:

Gold Awesome!

Silver Great!

Bronze Good!

Source

<http://www.guardian.co.uk/news/datablog/2010/feb/11/winter-olympics-medals-by-country>

Examples

```
data(problem2)
```

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