Package 'my1rpack'

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Type Package

Title Homework 2

Version 1.0

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Dependency tikzDevice

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Description Contains a function for generating tikz plots and a
dataset containing winter Olympics medal statistics by country.

License GPL-3

R topics documented:

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my1rpack	*Homework 2 for Mathematical Modeling*

Description

This package contains function for generating tikz plots and dataset containing medal record by
country.

Details

Package:	my1rpack
Type:	Package
Version:	1.0
Date:	2012-11-01
License:	GPL-3

Author(s)

Jing Huang Maintainer: Jing Huang <jhuang63@jhu.edu>

References

2012 Fall semester 550400 Homework 2 Description

Examples

```
require(my1rpack)
problem1('bmw1series', dnorm, c(-5, 5), 10, TRUE)
data(problem2)
```

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problem1   *Function for homework 2 problem 1*

Description

This function plots the a function-with specified range, using a determined number of sample points. The generated plot is in tex tikz format. If the last argument being TRUE, it will compile the generated tex file into PDF file.

Usage

```
problem1(filename = NULL, fcnname = NULL, nrange = NULL, nsample = NULL, compile
```

Arguments

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

Value

Used for its side-effects.

Author(s)

Jing Huang<jhuang63@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 ith 45 slots, all contain the overall Gold, Silver, and Bronze medal counts:

Source

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

Examples

```
data(problem2)
```

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