

# Package ‘my1rpack’

December 10, 2012

**Type** Package

**Title** Homework 2

**Version** 1.0

**Date** 2012-11-01

**Author** Rong Fan

**Maintainer** Rong Fan <rfan4@jhu.edu>

**Depends** tikzDevice

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

**License** GPL-3

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## Description

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

## Details

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License: GPL-3

**Author(s)**

Rong Fan

Maintainer: Rong Fan <rfan4@jhu.edu>

**References**

2012 Fall semester 550400 Homework 2 Description

**Examples**

```
require(my1rpack)

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

---

problem1

*Function for homework 2 problem 1*

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**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*

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**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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