

Package ‘ifm’

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Type Package

Title Set of functions for financial evaluation of Software Projects

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Description R package with a set of functions for financial evaluation of Software Project.

License LGPL (>= 2.1)

URL <https://github.com/afcosta-ibm/ifm>

BugReports <https://github.com/afcosta-ibm/ifm/issues>

NeedsCompilation no

RoxygenNote 5.0.1

Imports igraph

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ifm-package

Set of functions for financial evaluation of Software Projects

Description

R package with a set of functions for financial evaluation of Software Project.

Details

The DESCRIPTION file: This package was not yet installed at build time.

Index: This package was not yet installed at build time.

~~ An overview of how to use the package, including the most important functions ~~

Author(s)

Eber Schmitz

Maintainer: Antoanne Pontes <antoanne@ufrj.br>

References

~~ Literature or other references for background information ~~

See Also

~~ Optional links to other man pages, e.g. ~~

Examples

examples here...

disc

~~function to do ... ~~

Description

~~ A concise (1-5 lines) description of what the function does. ~~

Usage

```
disc(r, n, bop = FALSE)
```

Arguments

r ~~Describe r here~~

n ~~Describe n here~~

bop ~~Describe bop here~~

Details

~~ If necessary, more details than the description above ~~

Value

~Describe the value returned If it is a LIST, use

comp1 Description of 'comp1'

comp2 Description of 'comp2'

Note

~~further notes~~

Author(s)

~~who you are~~

References

~put references to the literature/web site here ~

See Also

~~objects to See Also as [help](#), ~~~

Examples

```
##---- Should be DIRECTLY executable !! ----
##-- ==> Define data, use random,
##--or do help(data=index) for the standard data sets.

## The function is currently defined as
function (r, n, bop = FALSE)
{
  t <- -1/(1 + r)
  e <- if (bop) {
    0:(n - 1)
  }
  else {
    1:n
  }
  return(t^e)
}
```

draw.cfs	<i>Draw the graph of cash flow.</i>
----------	-------------------------------------

Description

Draw the graph of cash flow.

Usage

```
draw.cfs(cfs, gt = "Cash Flow Graphic")
```

Arguments

cfs	A vector with a series of cash flows.
gt	A title for the graph.

See Also

Other financial: [future.value](#)

Examples

```
cfs <- c(-2000,1000,1500,-500,500)
draw.cfs(cfs,'My Cash Flow')
```

future.value	<i>Calculate the future value of an asset at a specific date. It measures the nominal future sum of money that a given sum of money is "worth" at a specified time in the future assuming a certain interest rate, or more generally, rate of return.</i>
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Description

Calculate the future value of an asset at a specific date. It measures the nominal future sum of money that a given sum of money is "worth" at a specified time in the future assuming a certain interest rate, or more generally, rate of return.

Usage

```
future.value(present.value, interest.rate, number.of.periods)
```

Arguments

present.value	A number that represents the present value of the money.
interest.rate	A number that represents the interest rate.
number.of.periods	A number that represent the number of periods.

See Also

Other financial: [draw.cfs](#)

Examples

```
fv.1 <- future.value(1000, 1.1425, 12)
print(fv.1)
```

ifir	~~ <i>Function to calculate inflation free interest rate.</i> ~~
------	--

Description

~~ A concise (1-5 lines) description of what the function does. ~~

Usage

```
ifir(r, f)
```

Arguments

r	~~Describe r here~~
f	~~Describe f here~~

Details

~~ If necessary, more details than the description above ~~

Value

~Describe the value returned If it is a LIST, use

comp1	Description of 'comp1'
comp2	Description of 'comp2'

Note

~~further notes~~

Author(s)

~~who you are~~

References

~put references to the literature/web site here ~

See Also

~~objects to See Also as [help](#), ~~~

Examples

```
##---- Should be DIRECTLY executable !! ----
##-- ==> Define data, use random,
##--or do help(data=index) for the standard data sets.

## The function is currently defined as
function (r, f)
{
  return((r - f)/(1 + f))
}
```

nfv

*~~function to do ... ~~***Description**

~~ A concise (1-5 lines) description of what the function does. ~~

Usage

```
nfv(cfs, r, bop = TRUE)
```

Arguments

cfs	~~Describe cfs here~~
r	~~Describe r here~~
bop	~~Describe bop here~~

Details

~~ If necessary, more details than the description above ~~

Value

~Describe the value returned If it is a LIST, use

comp1	Description of 'comp1'
comp2	Description of 'comp2'

Note

~~further notes~~

Author(s)

~~who you are~~

References

~put references to the literature/web site here ~

See Also

~~objects to See Also as [help](#), ~~~

Examples

```
##---- Should be DIRECTLY executable !! ----
##-- ==> Define data, use random,
##--or do help(data=index) for the standard data sets.

## The function is currently defined as
function (cfs, r, bop = TRUE)
{
  e <- if (bop) {
    0:(length(cfs) - 1)
  }
  else {
    1:(length(cfs))
  }
  tax <- (1 + (r/100))^e
  return(cfs * tax)
}
```

npv

~~function to do ... ~~

Description

~~ A concise (1-5 lines) description of what the function does. ~~

Usage

```
npv(cfs, r, bop = TRUE)
```

Arguments

cfs	~~Describe cfs here~~
r	~~Describe r here~~
bop	~~Describe bop here~~

Details

~~ If necessary, more details than the description above ~~

Value

~Describe the value returned If it is a LIST, use

comp1	Description of 'comp1'
comp2	Description of 'comp2'

Note

~~further notes~~

Author(s)

~~who you are~~

References

~put references to the literature/web site here ~

See Also

~~objects to See Also as [help](#), ~~~

Examples

```
##---- Should be DIRECTLY executable !! ----
##-- ==> Define data, use random,
##--or do help(data=index) for the standard data sets.

## The function is currently defined as
function (cfs, r, bop = TRUE)
{
  e <- if (bop) {
    0:(length(cfs) - 1)
  }
  else {
    1:(length(cfs))
  }
  tax <- (1/((1 + (r/100))^e))
  return(cfs * tax)
}
```

pv

pv.

Description

pv.

Usage

pv(Fv, r, n)

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