

Utility Functions (Draft)

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Money Formatting

The `rrv` package provides money objects, to support the formatting of money. Money objects are created using the `money` constructor. Arguments to the constructor (see `money`, in its Rd file), control the way that money is formatted. Money's `print` and `format` methods, accept the same arguments as the constructor, and can override the object's attributes.

```
> #create some random numbers
> v = 6e5 * rnorm (20)

> #create a standard money object
> x = money (v)
> x
 [1] -119,492.39 -254,985.59 -204,799.06 -703,894.60 413,631.71
 [6] -723,406.28 263,086.40 -514,507.91 34,821.75 606,779.54
[11] -213,571.47 191,786.97 113,177.76 -794,819.38 -179,061.37
[16] -614,291.05 491,314.90 -941,011.43 564,722.74 -1,063,242.39

> #create a money object with a dollar sign
> x = money (v, cs="$")
> x
 [1] -$119,492.39 -$254,985.59 -$204,799.06 -$703,894.60 $413,631.71
 [6] -$723,406.28 $263,086.40 -$514,507.91 $34,821.75 $606,779.54
[11] -$213,571.47 $191,786.97 $113,177.76 -$794,819.38 -$179,061.37
[16] -$614,291.05 $491,314.90 -$941,011.43 $564,722.74 -$1,063,242.39

> #print the same money object with no dollar sign and no decimal places
> print (x, cs="", nd=0)
 [1] -119,492 -254,986 -204,799 -703,895 413,632 -723,406
 [7] 263,086 -514,508 34,822 606,780 -213,571 191,787
[13] 113,178 -794,819 -179,061 -614,291 491,315 -941,011
[19] 564,723 -1,063,242
```

Simplified Money Formatting

Often, one merely wishes to format a numeric vector. So the `rrv` package, also provide the functions `moneypr` and `moneyf`, for printing (formatted) and formatting respectively, numeric vectors as money. These functions also use the same arguments as the constructor.

```
> #create some new random numbers
> v = 5e5 * rnorm (20)

> #format as money
> moneyf (v, fill=FALSE)

[1] "-631,855.53"   "35,018.80"     "-730,951.87"   "229,001.96"
[5] "138,004.60"    "-1,949,601.74" "208,715.56"    "-185,510.79"
[9] "-384,581.88"   "585,244.03"    "-149,770.80"   "-328,711.09"
[13] "-427,583.03"   "126,212.14"    "932,248.26"    "-111,484.04"
[17] "-454,767.23"   "-223,118.04"   "95,337.29"     "-700,175.42"
```