Examples for the `qTable` function

Enrico Schumann
es@enricoschumann.net

We attach the package and create some random data.

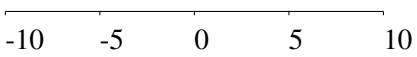
```
> require("NMOF")
> x <- rnorm(100L, mean = 0, sd = 1.5)
> y <- rnorm(100L, mean = 1, sd = 1)
> z <- rnorm(100L, mean = 1, sd = 0.5)
> X <- cbind(x, y, z)
> summary(X)
```

```
       x                y                z
 Min.   :-4.751   Min.   :-1.520   Min.   :-0.600
 1st Qu.:-0.585   1st Qu.: 0.358   1st Qu.: 0.709
 Median : 0.415   Median : 1.124   Median : 0.959
 [ reached getOption("max.print") -- omitted 3 rows ]
```

A call to `qTable` could like this, and it will result in the LaTeX output below.

```
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
             circlesize = 0.0125, xmin = -10, xmax = 10, dec = 2))
```

	median	min	max
x	0.42	-4.75	4.83
y	1.12	-1.52	4.00
z	0.96	-0.60	1.97

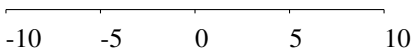


If you use Sweave, use `<<results=tex>>=` to start a code chunk.

Examples

```
> ## with limits
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
             circlesize = 0.0125, xmin = -10, xmax = 10, dec = 2))
```

	median	min	max
x	0.42	-4.75	4.83
y	1.12	-1.52	4.00
z	0.96	-0.60	1.97




```
> ## without specified limits
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
             circlesize = 0.0125, dec = 2))
```

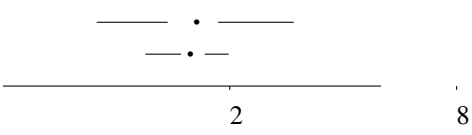
	median	min	max
x	0.42	-4.75	4.83
y	1.12	-1.52	4.00
z	0.96	-0.60	1.97


```
> ## 3 decimal places
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
             circlesize = 0.0125, dec = 3))
```

	median	min	max
x	0.415	-4.751	4.828
y	1.124	-1.520	4.002
z	0.959	-0.600	1.969

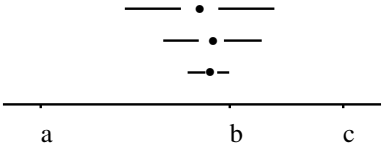

```
> ## specific labels, but no limits
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
             labels = c(-8,2,8), at = c(-8,2,8),
             circlesize = 0.0125, dec = 1))
```

	median	min	max
x	0.4	-4.8	4.8
y	1.1	-1.5	4.0
z	1.0	-0.6	2.0



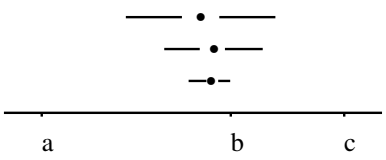

```
> ## specific labels and limits, linethickness
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
        labels = c("a","b","c"), at = c(-8,2,8),
        circlesize = 0.02, dec = 1, linethickness = "0.2ex",
        xmin = -10, xmax = 10))
```

	median	min	max
x	0.4	-4.8	4.8
y	1.1	-1.5	4.0
z	1.0	-0.6	2.0



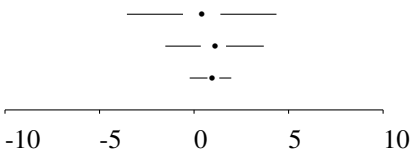
```
> ## specific labels and limits, linethickness
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
        labels = c("a","b","c"), at = c(-8,2,8),
        circlesize = 0.02, dec = 1, linethickness = "0.2ex",
        xmin = -10, xmax = 10))
```

	median	min	max
x	0.4	-4.8	4.8
y	1.1	-1.5	4.0
z	1.0	-0.6	2.0




```
> ## with limits and alternative functions
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
            circlesize = 0.0125, xmin = -10, xmax = 10, dec = 2,
            funs = list(average = mean,
                        `10th Q.` = function(x) quantile(x, 0.1),
                        `90th Q.` = function(x) quantile(x, 0.9))))
```

	average	10th Q.	90th Q.
x	0.34	-1.84	2.02
y	1.08	0.00	2.33
z	1.00	0.41	1.70




```
> ## with limits and without summary stats
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
            circlesize = 0.0125, xmin = -10, xmax = 10, dec = 2,
            funs = list()))
```