Examples for the `qTable` function

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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.   :-3.876   Min.   :-2.105   Min.   :0.0757
 1st Qu.:-0.918   1st Qu.: 0.552   1st Qu.:0.6823
 Median :-0.200   Median : 0.975   Median :1.1025
 Mean   :-0.133   Mean   : 0.921   Mean   :1.0473
 3rd Qu.: 0.541   3rd Qu.: 1.556   3rd Qu.:1.4273
 Max.   : 3.019   Max.   : 2.825   Max.   :2.2913
```

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	-0.20	-3.88	3.02
y	0.98	-2.10	2.83
z	1.10	0.08	2.29

$$-10 \quad -5 \quad 0 \quad 5 \quad 10$$

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	-0.20	-3.88	3.02
y	0.98	-2.10	2.83
z	1.10	0.08	2.29

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

	median	min	max
x	-0.20	-3.88	3.02
y	0.98	-2.10	2.83
z	1.10	0.08	2.29

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

	median	min	max
x	-0.200	-3.876	3.019
y	0.975	-2.105	2.825
z	1.102	0.076	2.291

```
> ## 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))
```

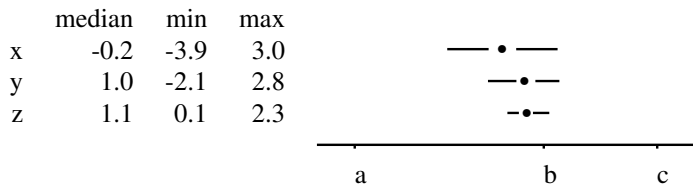|	median	min	max
x	-0.2	-3.9	3.0
y	1.0	-2.1	2.8
z	1.1	0.1	2.3

```
> ## 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	-0.2	-3.9	3.0
y	1.0	-2.1	2.8
z	1.1	0.1	2.3

2

```
> ## 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))
```
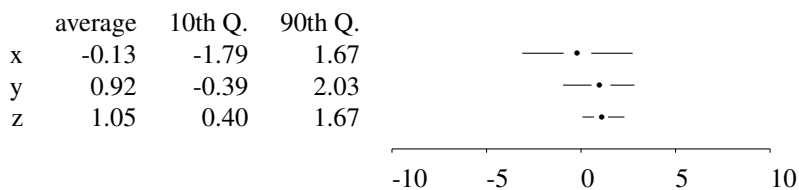
	median	min	max
x	-0.2	-3.9	3.0
y	1.0	-2.1	2.8
z	1.1	0.1	2.3

a   b   c

```
> ## 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	-0.13	-1.79	1.67
y	0.92	-0.39	2.03
z	1.05	0.40	1.67

-10   -5   0   5   10

```
> ## 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()))
```

x
y
z

-10   -5   0   5   10