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.   :-3.1012   Min.    :-1.213   Min.    :-0.527
 1st Qu.:-0.7966   1st Qu.: 0.341   1st Qu.: 0.702
 Median : 0.2206   Median : 0.977   Median : 0.979
 Mean   : 0.0987   Mean    : 1.022   Mean    : 1.009
 3rd Qu.: 0.9941   3rd Qu.: 1.763   3rd Qu.: 1.299
 Max.   : 2.9517   Max.    : 3.868   Max.    : 2.498
```

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	0.22	-3.10	2.95
y	0.98	-1.21	3.87
z	0.98	-0.53	2.50
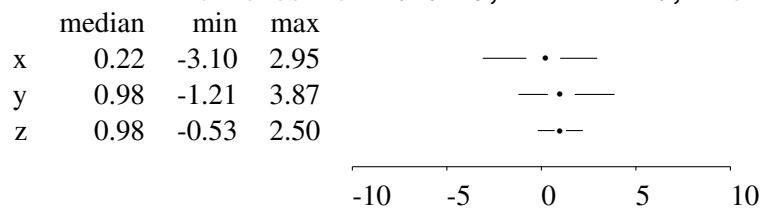
If you use Sweave, use `<<results=tex>>=` to start a code chunk.

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Examples

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

	median	min	max
x	0.22	-3.10	2.95
y	0.98	-1.21	3.87
z	0.98	-0.53	2.50

```
      -10     -5      0      5      10
```

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

	median	min	max
x	0.22	-3.10	2.95
y	0.98	-1.21	3.87
z	0.98	-0.53	2.50

```
      -4      -2      0      2      4
```

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

	median	min	max
x	0.221	-3.101	2.952
y	0.977	-1.213	3.867
z	0.979	-0.527	2.498

```
      -4      -2      0      2      4
```

```
> ## 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	-3.1	3.0
y	1.0	-1.2	3.9
z	1.0	-0.5	2.5

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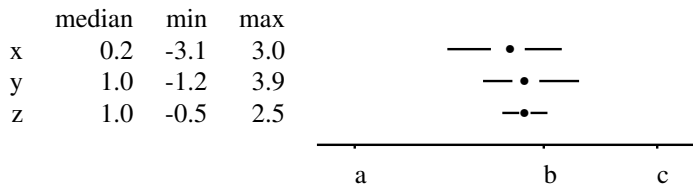
```
> ## specific labels and limits, linethickness
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
        labels = c("a","b","c"), at = c(-8,2,8),
        circlesize = 0.02, dec = 1, linethickness = "0.2ex",
        xmin = -10, xmax = 10))
```

	median	min	max
x	0.2	-3.1	3.0
y	1.0	-1.2	3.9
z	1.0	-0.5	2.5

```
          a           b      c
```

```
> ## 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))
```

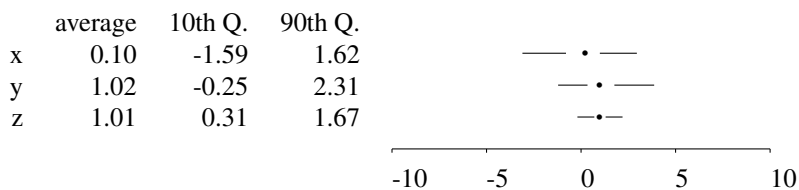|	median	min	max	
x	0.2	-3.1	3.0	—— • ——
y	1.0	-1.2	3.9	—•——
z	1.0	-0.5	2.5	—•—

```
                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	0.10	-1.59	1.62	—— • ——
y	1.02	-0.25	2.31	— • ——
z	1.01	0.31	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
```