

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)
```

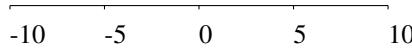
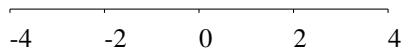
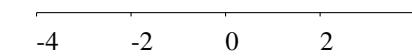
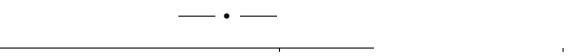
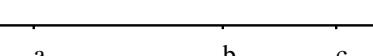
	x	y	z
Min.	-3.550	-0.906	-0.476
1st Qu.	-0.946	0.471	0.643
Median	0.193	1.083	0.886
Mean	0.139	1.102	0.903
3rd Qu.	1.116	1.706	1.165
Max.	3.732	3.119	2.133

A call to qTable could like this, and it will result in the L^AT_EX output below.

```
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
+             circlesize = 0.0125, xmin = -10, xmax = 10, dec = 2))
  median   min   max
x     0.19 -3.55  3.73      — • —
y     1.08 -0.91  3.12      —•—
z     0.89 -0.48  2.13      ——
```

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

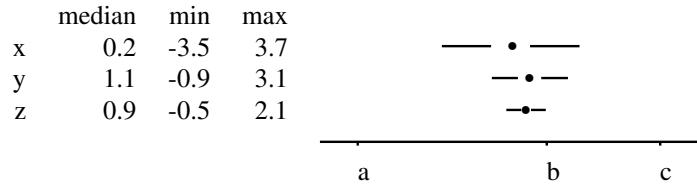
Examples

```
> ## with limits
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
+           circlesize = 0.0125, xmin = -10, xmax = 10, dec = 2))
  median   min   max
x     0.19 -3.55  3.73      —•—
y     1.08 -0.91  3.12      —•—
z     0.89 -0.48  2.13      —•—

> ## without specified limits
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
+           circlesize = 0.0125, dec = 2))
  median   min   max
x     0.19 -3.55  3.73      —•—
y     1.08 -0.91  3.12      —•—
z     0.89 -0.48  2.13      —•—

> ## 3 decimal places
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
+           circlesize = 0.0125, dec = 3))
  median   min   max
x     0.193 -3.550  3.733      —•—
y     1.083 -0.906  3.119      —•—
z     0.886 -0.476  2.133      —•—

> ## 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   -3.5   3.7      —•—
y     1.1   -0.9   3.1      —•—
z     0.9   -0.5   2.1      —•—

> ## 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   -3.5   3.7      —•—
y     1.1   -0.9   3.1      —•—
z     0.9   -0.5   2.1      —•—

```

```

> ## 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))

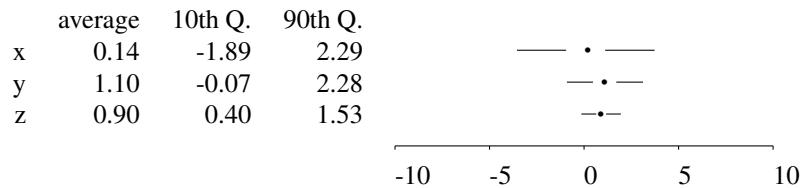
```



```

> ## 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))))

```



```

> ## 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()))

```

