

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 | — • — |

-10 -5 0 5 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 | 0.22 | -3.10 | 2.95 |
| y | 0.98 | -1.21 | 3.87 |
| z | 0.98 | -0.53 | 2.50 |

```
> ## 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 |

```
> ## 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 |

```
> ## 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 |

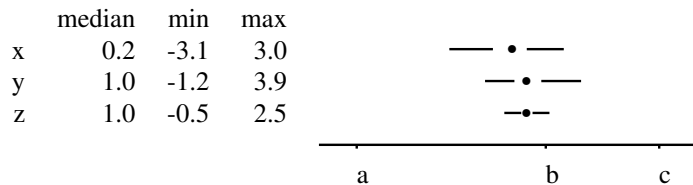
```
> ## specific labels and limits, linethickness
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
           labels = c("a","b","c"), at = c(-8,2,8),
           circlesize = 0.02, dec = 1, linethickness = "0.2ex",
           xmin = -10, xmax = 10))
```

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

```

> ## 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))

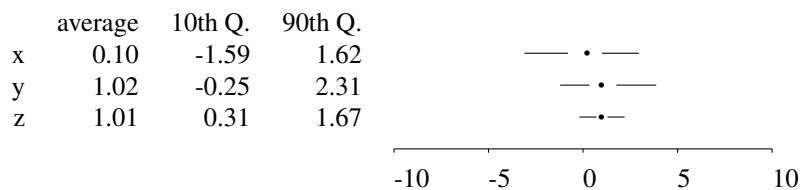
```



```

> ## 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()))

```

