

# 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

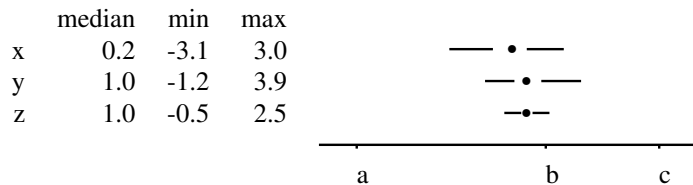
```
> ## specific labels and limits, linethickness
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
           labels = c("a","b","c"), at = c(-8,2,8),
           circlesize = 0.02, dec = 1, linethickness = "0.2ex",
           xmin = -10, xmax = 10))
```

	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))

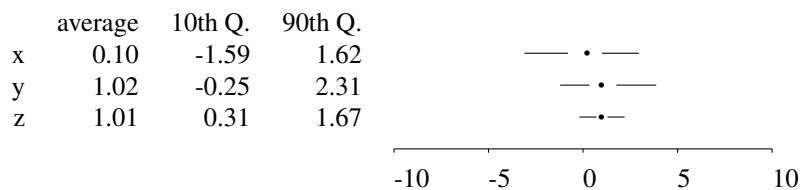
```



```

> ## 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()))

```

