

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

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	0.19	-3.55	3.73	— • —
y	1.08	-0.91	3.12	— • —
z	0.89	-0.48	2.13	— • —

-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	0.19	-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

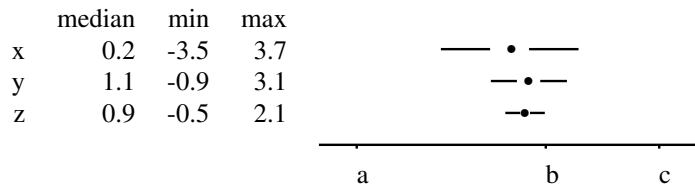
```
> ## specific labels and limits, linethickness
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
           labels = c("a","b","c"), at = c(-8,2,8),
           circlesize = 0.02, dec = 1, linethickness = "0.2ex",
           xmin = -10, xmax = 10))
```

	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))

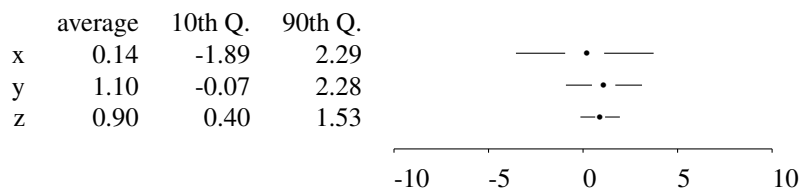
```



```

> ## 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()))

```

