

# 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. :-3.8176	Min. :-1.0007	Min. :-0.249
1st Qu.: -0.9058	1st Qu.: 0.0518	1st Qu.: 0.695
Median : 0.0312	Median : 0.8138	Median : 0.975
Mean :-0.0132	Mean : 0.8998	Mean : 0.983
3rd Qu.: 1.0258	3rd Qu.: 1.5207	3rd Qu.: 1.326
Max. : 3.3687	Max. : 3.6128	Max. : 2.118

A call to qTable could like this, and it will result in the  $\LaTeX$  output below.

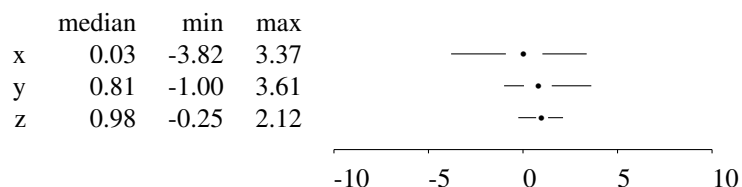
```
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
             circlesize = 0.0125, xmin = -10, xmax = 10, dec = 2))
```

	median	min	max
x	0.03	-3.82	3.37
y	0.81	-1.00	3.61
z	0.98	-0.25	2.12

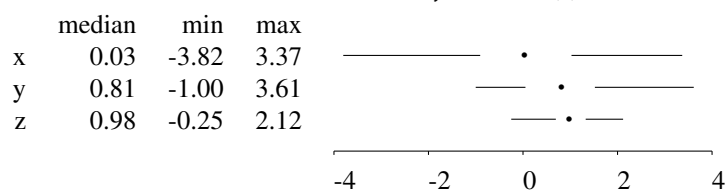
If you use Sweave, use `<<results=tex>>=` to start a code chunk.

## Examples

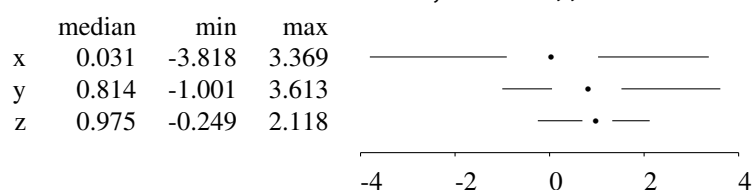
```
> ## with limits
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
             circlesize = 0.0125, xmin = -10, xmax = 10, dec = 2))
```



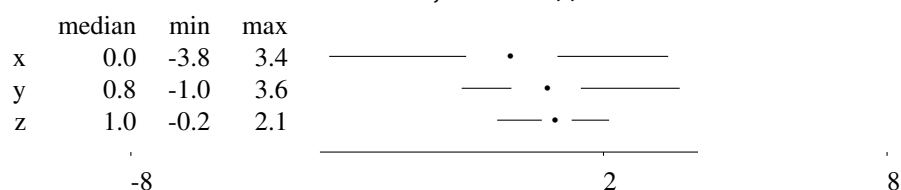
```
> ## without specified limits
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
             circlesize = 0.0125, dec = 2))
```



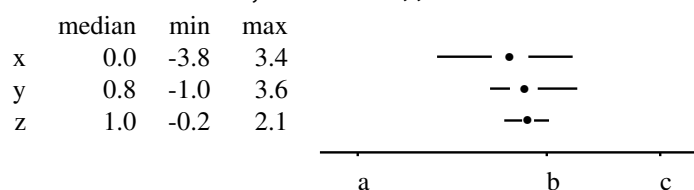
```
> ## 3 digits
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
             circlesize = 0.0125, dec = 3))
```



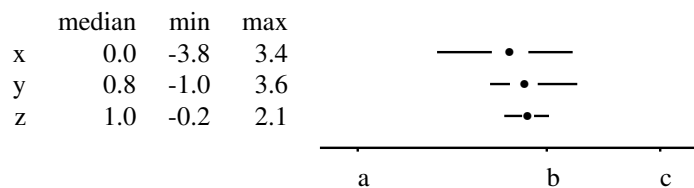
```
> ## specific labels, but no limits
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
             labels = c(-8,2,8), at = c(-8,2,8),
             circlesize = 0.0125, dec = 1))
```



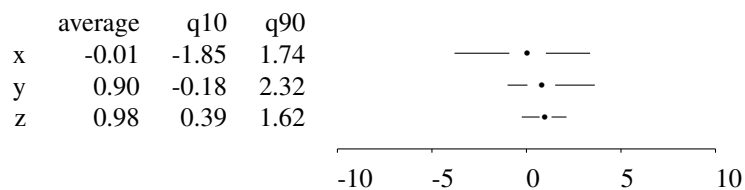
```
> ## specific labels and limits, linethickness
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
             labels = c("a","b","c"), at = c(-8,2,8),
             circlesize = 0.02, dec = 1, linethickness = "0.2ex",
             xmin = -10, xmax = 10))
```



```
> ## 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,
    q10 = function(x) quantile(x, 0.1),
    q90 = 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()))
```

