An example 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
                     У
                                     Z
Min. :-3.6677 Min. :-1.5910 Min. :-0.1679
1st Qu.:-1.3028
               1st Qu.: 0.1767
                               1st Qu.: 0.7225
Median :-0.1894
              Median: 0.9636 Median: 1.0083
Mean :-0.2254
               Mean : 0.9334
                               Mean : 1.0375
3rd Qu.: 0.5238
               3rd Qu.: 1.7240
                               3rd Qu.: 1.3693
Max. : 4.7609
               Max. : 3.8113
                               Max. : 2.3858
```

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
     -0.19 -3.67
                  4.76
      0.96 -1.59
                  3.81
y
      1.01 -0.17 2.39
 Z
                                           5
                                                 10
                        -10
                              -5
                                    0
```

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
      -0.19
            -3.67
                   4.76
      0.96
           -1.59
                   3.81
 y
      1.01
            -0.17
                   2.39
                         -10
                                -5
                                       0
                                              5
                                                     10
> ## without specified limits
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
             circlesize = 0.0125, dec = 2))
    median
             min
                  max
 X
      -0.19
            -3.67
                   4.76
      0.96 -1.59
                   3.81
 y
      1.01
           -0.17 2.39
                                -2
                                              2
                                       0
> ## 3 digits
> cat(qTable(X, yoffset = -0.025, unitlength = "5cm",
             circlesize = 0.0125, dec = 3))
    median
              min
                     max
    -0.189
            -3.668
                   4.761
     0.964
            -1.591
                    3.811
 y
      1.008 -0.168
                   2.386
                                  -2
                           -4
                                         0
                                                2
> ## 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
       -0.2
            -3.7
                   4.8
 Х
       1.0 -1.6
                   3.8
 y
        1.0 -0.2
                   2.4
 Z
          -8
                                                                   8
> ## 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
       -0.2
            -3.7
                   4.8
 \mathbf{X}
        1.0 -1.6
                   3.8
 y
        1.0
           -0.2
                   2.4
                                         b
```