

Demonstration of *boxplotx*

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The program *boxplotx* is for those who do not have the statistics toolbox

For details see *doc boxplotx*

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Simple usage

Additional box plots can be added

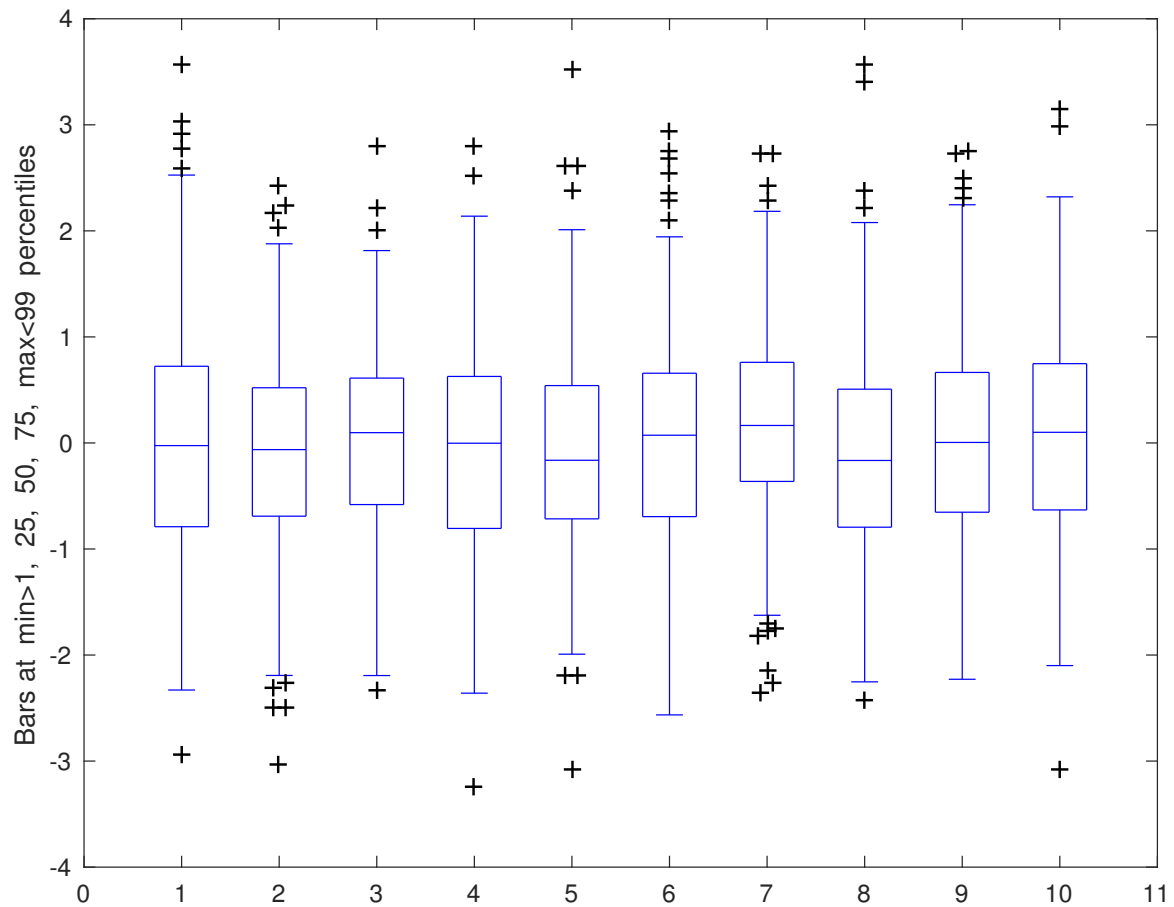
Box plots can have different numbers of points

Bar percentages and boxplot labels

Simple usage

Boxplots are generated from the columns of a matrix

```
rng(0) % reset random generator  
x1=randn(200,10);  
boxplotx(x1)
```



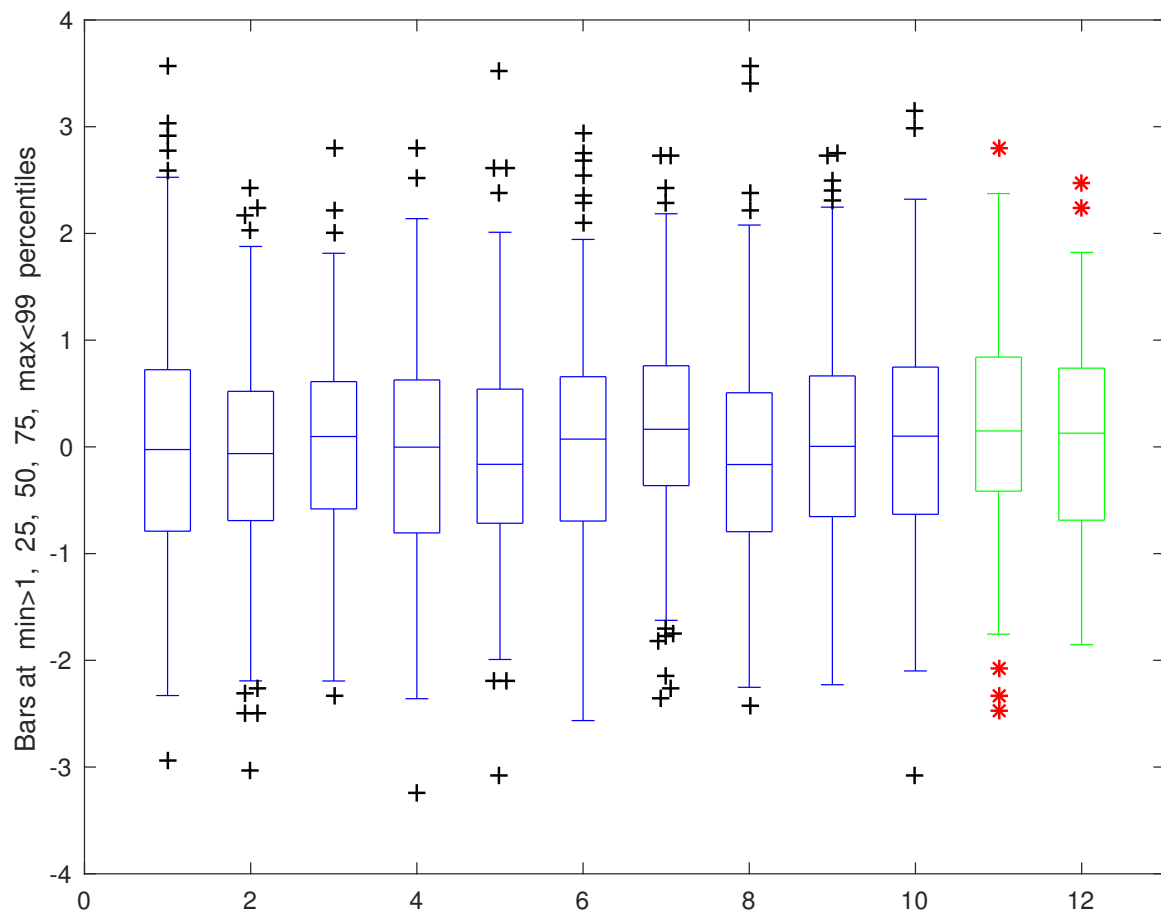
Additional box plots can be added

Set hold on for the current graph and call boxplotx again

Plotting options for lines and points can be changed

hold on

```
boxplotx(randn(100,2),'lines','g-','points','r*')
```

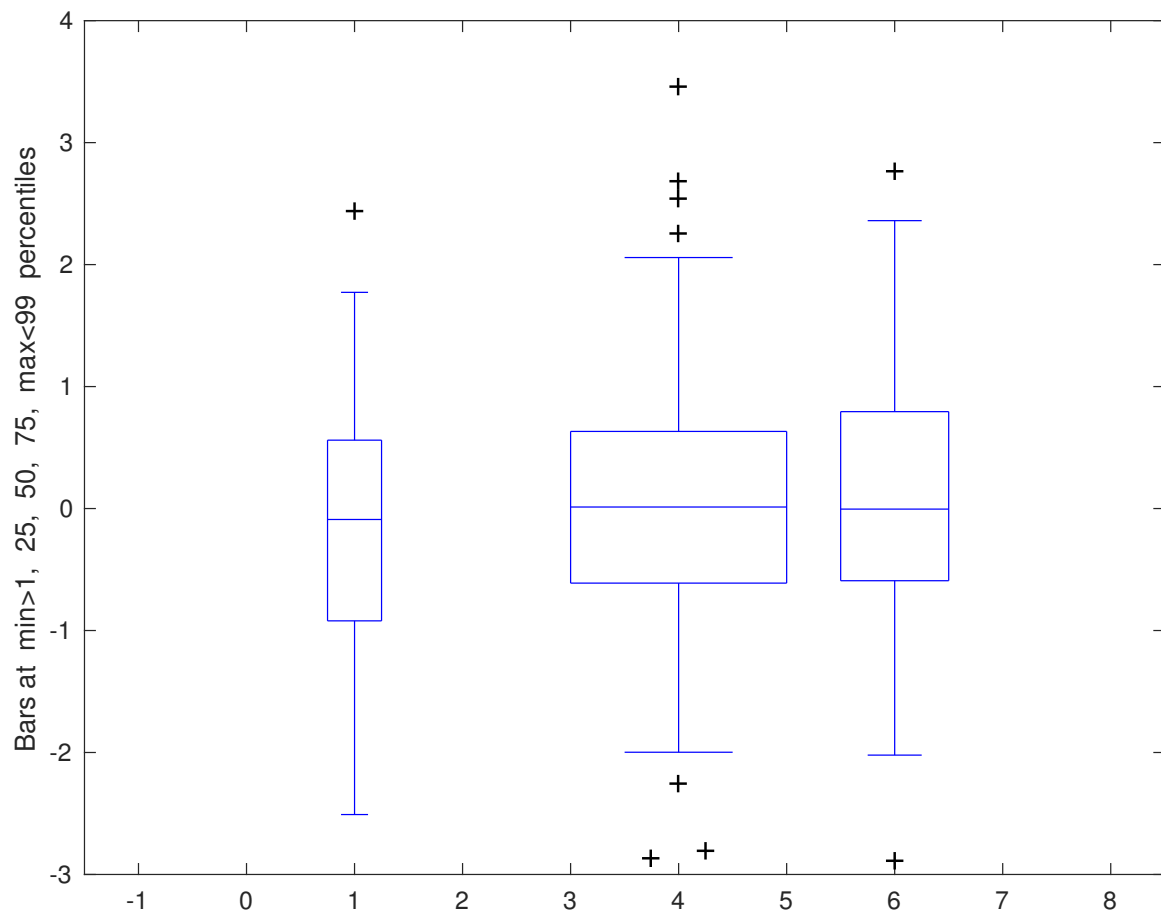


Box plots can have different numbers of points

Also position and width can be set using second and third default arguments

Each boxplot can be labelled

```
x2={randn(50,1),randn(1,300),randn(100,1)};  
figure  
boxplotx(x2,[1,4,6],[0.5,2,1])
```



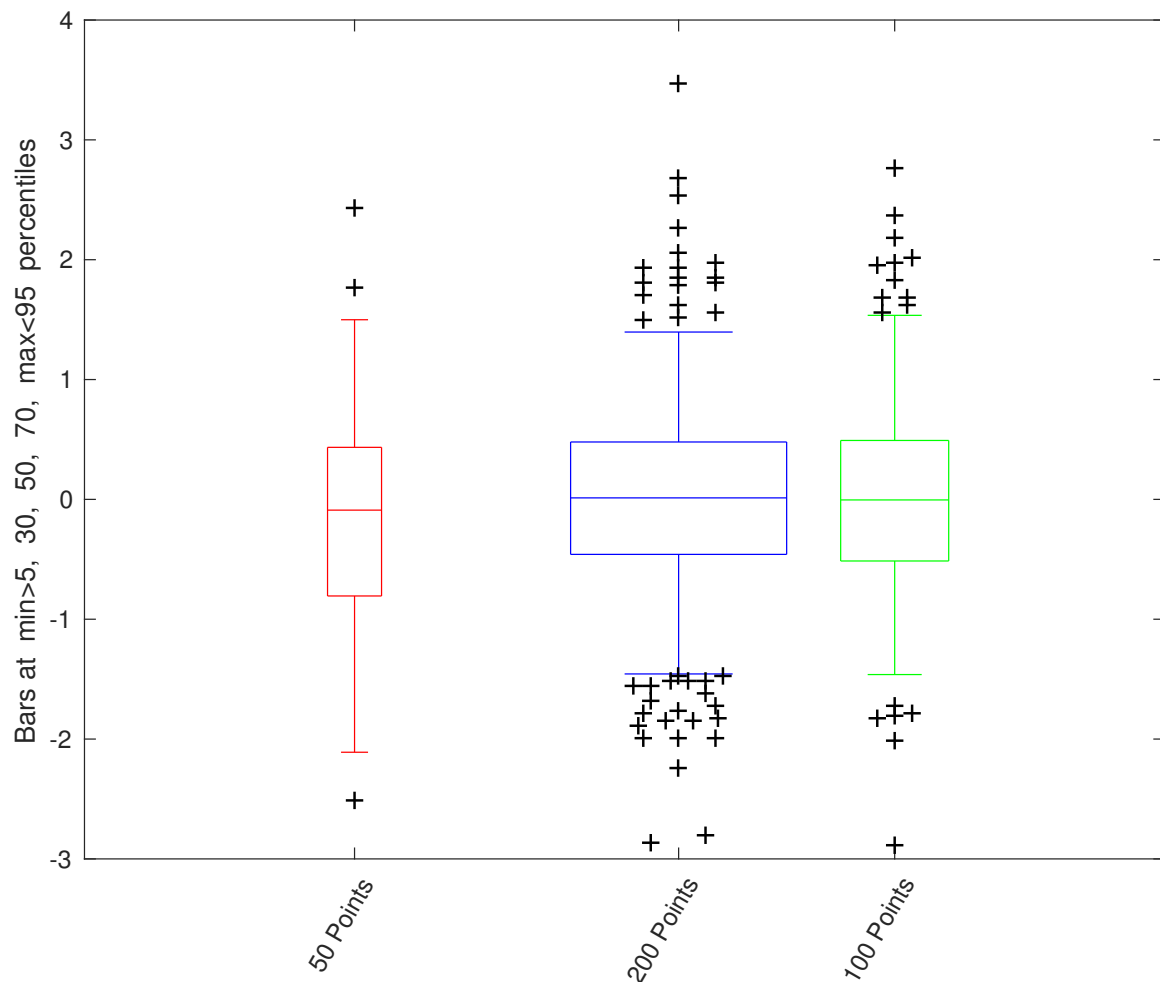
Bar percentages and boxplot labels

Position and width can be given as name & value options

Labels can be put under the boxplots

figure

```
boxplotx(x2,'qpct',30,'bpct',5,'lines',{'r-','b-','g-'},  
         'xpos',[1,4,6],'width',[0.5,2,1], ...  
         'labels',{'50 Points','200 Points','100 Points'})
```



For more detail on options see *doc boxplotx*