

Bug in MATLAB's randsample/histc

Certain MATLAB releases contain a buggy version of the built-in randsample/histc function. See for example:

<http://mathforum.org/kb/message.jspa?messageID=7097282&tstart=0>

It is necessary to fix the bug or it will cause problems for our demo program. You can either follow through the discussion in the forum above, or change a few lines in randsample.m as follows (warning: this is a MATLAB built-in function, so modify it at your own risk):

```
% edges = [0 cumsum(p)];  
% edges(end) = 1; % protect upper edge from accumulated round-off.  
% BUGBUG:JIN: replace the above two lines of buggy matlab codes with the  
following three lines of codes.  
cp = cumsum(p);  
cp = cp / max(cp);  
edges = [0 cp];
```

Bug fix due to Jin Yu.