

EN2202 Assignment 1

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???

1 Verification of the Markov chain code

```
1  %*** Insert your own code here and remove the following error message
2  R = zeros(1, nData);
3  cumProbs = cumsum(pD.ProbMass);
4
5  for i = 1:nData
6      %generate a uniformly distributed number with rand in the interval (0,
7      %1) then find the 'bin' that the random number is in according to the
8      %probability mass function. the actual random number is then is this 'bin'
9      R(i) = find(rand(1) < cumProbs, 1);
10 end
```