**CLT:**

**Seeing the central limit theorem in action**.

1. Produce random samples from the distribution in the file CLTdistrib.xls of size 5, 10, 40, 100. Repeat 100 times.
2. Compute the sample mean for each of the samples (100 of size 5, 100 of size 10, etc).
3. Draw histograms of the samples means for each sample size. Enlarge the histogram to see the distribution better. Title each histogram with the sample size and the theoretical mean and standard deviation.
4. Comment on your findings

Procedure for random sampling from given distribution:

* Step 1: highlight the data (do not include the header), right-click and select "name a range". Use the name given to that column, distr.
* Step 2: =index(distr,rand()\*size-of-data +1)
* Step 3: copy this into 100 rows below. Highlight the 100 generated numbers and copy to 100 columns.

Upload an excel file or a .doc file with all your work.