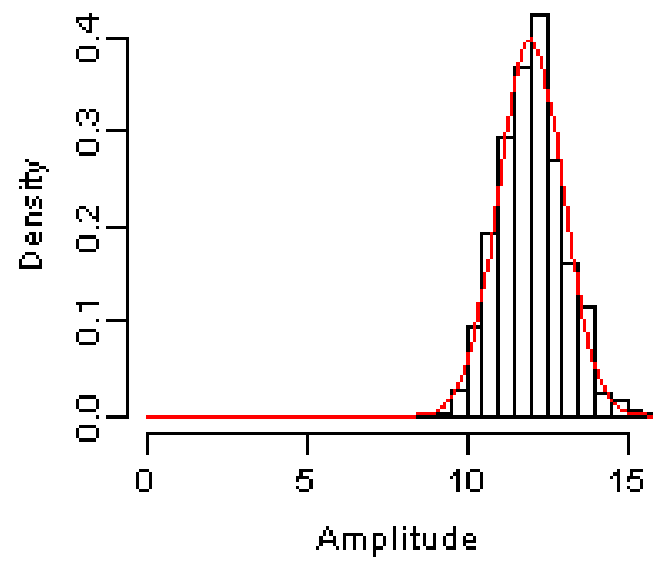
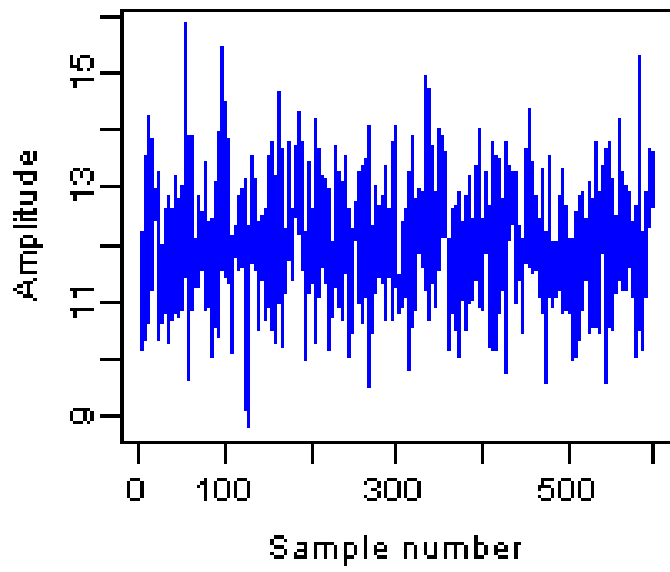
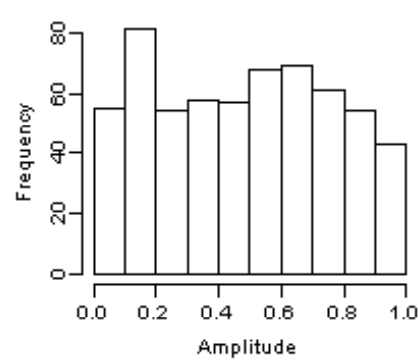
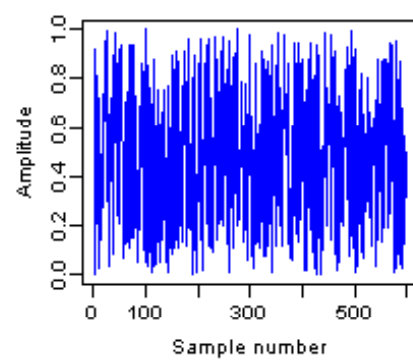


# Normal distribution

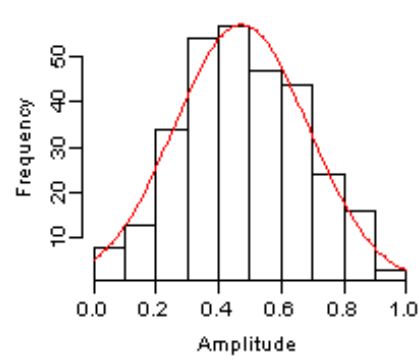
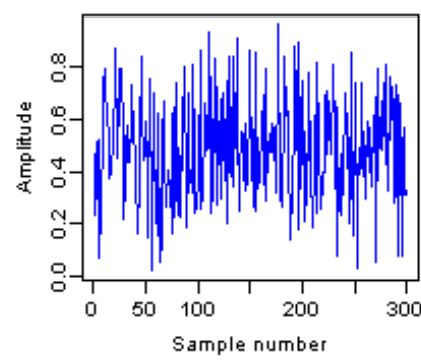


# Central limit theorem

**Uniformly distributed**

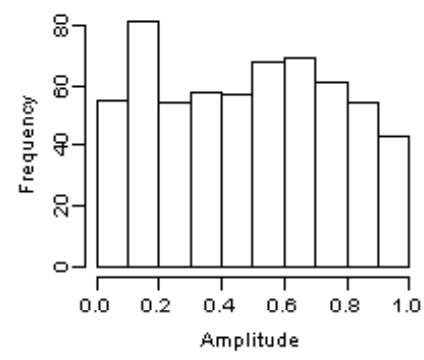
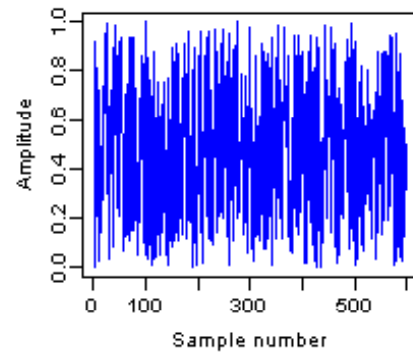


**Average 2 samples**

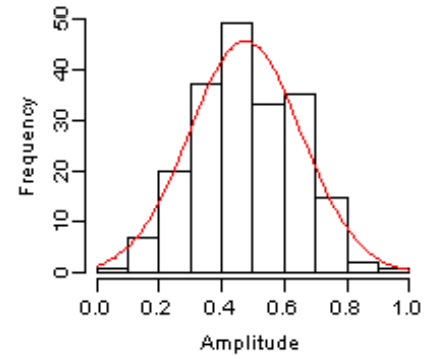
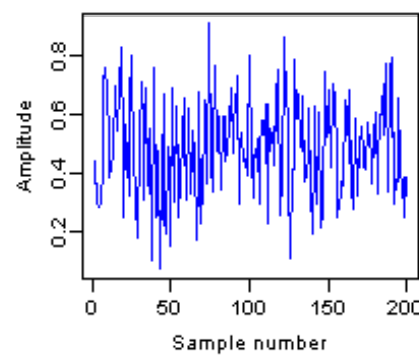


# Central limit theorem

Uniformly distributed

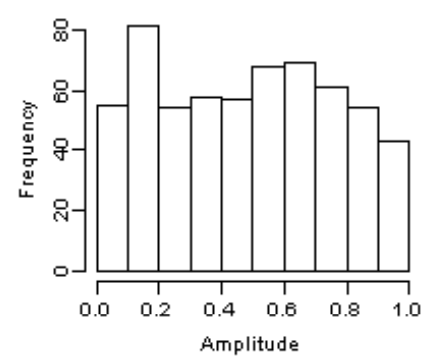
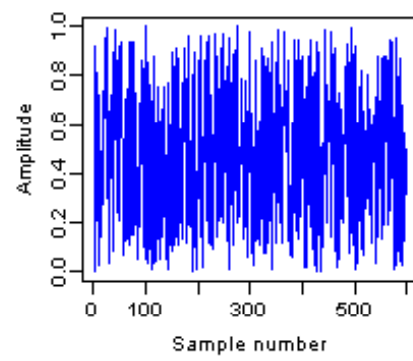


Average 3 samples

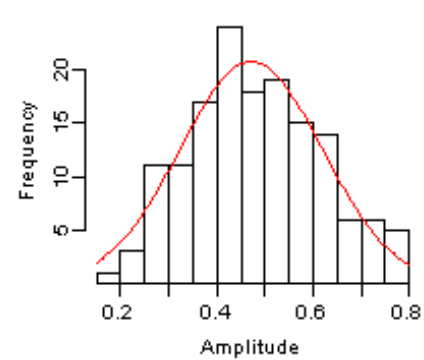
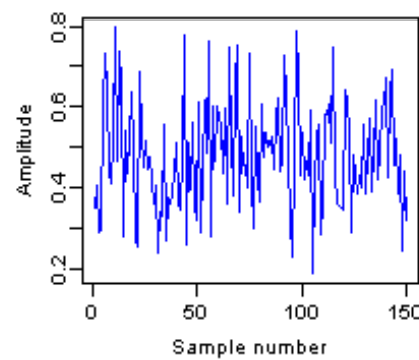


# Central limit theorem

Uniformly distributed



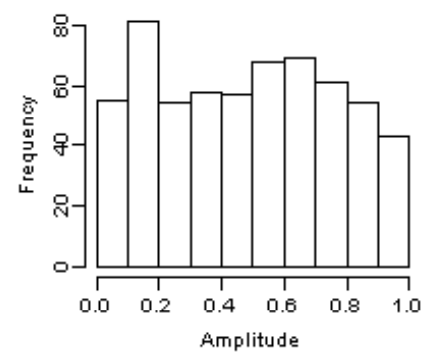
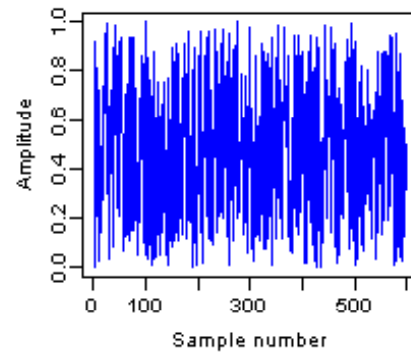
Average 4 samples



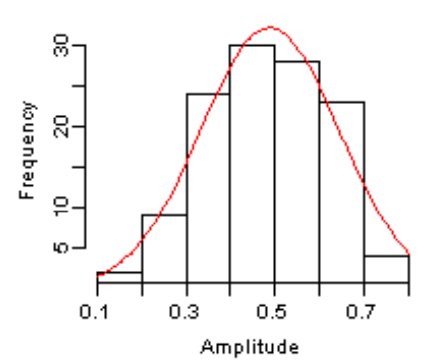
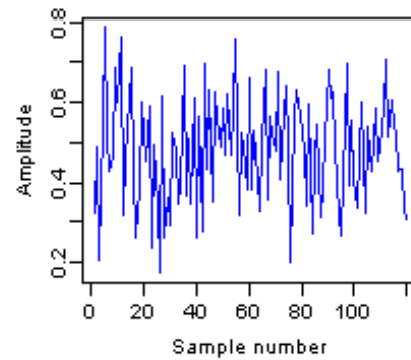


# Central limit theorem

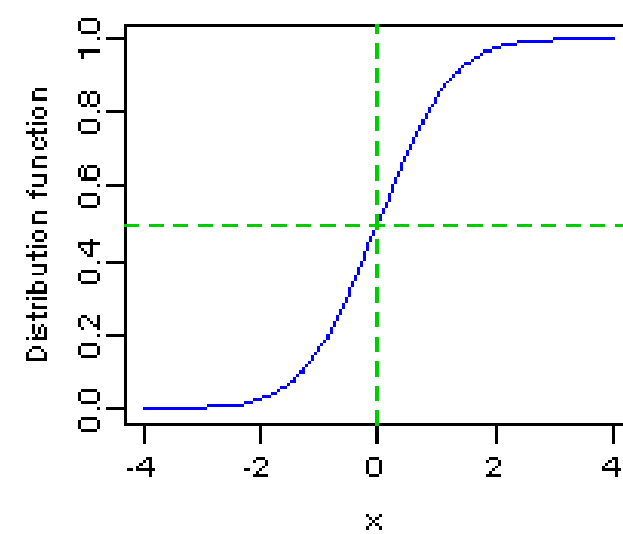
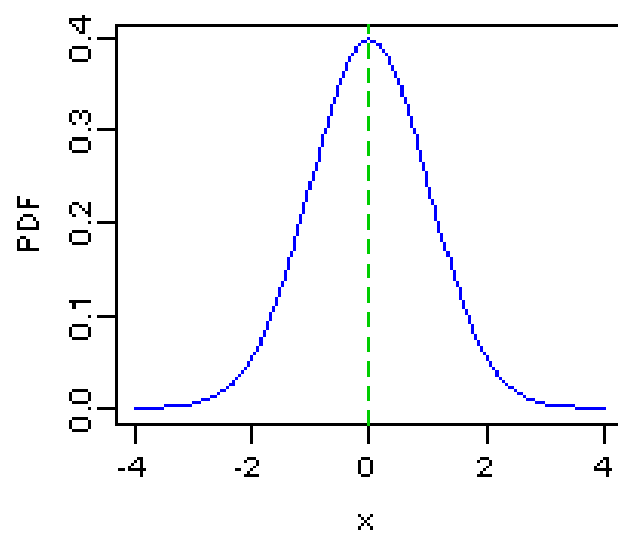
Uniformly distributed



Average 5 samples



# Normal distribution PDF and Distribution functions



PDF is the acronym for the *probability density function*.  
Its integral is the *cumulative probability distribution function*.

