What is **central limit theorem**?

Mean of all samples from the same population will be approximately equal to the mean of the population.

Condition: a sufficiently large sample size from a population with a finite level of variance

**Interpolation**: Estimating a value from 2 known values from a list of values is interpolation

**Extrapolation**: is approximating a value by extending a known set of values or facts

AutoEncoder:

Auto encoder is a feed forward neural network which aims to learn a compressed distributed representation of data set