**Difference between python list,numpy array ,and pandas Series.**

1. Lists are simply python build-in data structures used for collection of items or different data types, Numpy provides N- dimentional array objects to allow fast scientific computing while Pandas provide tabular data structures which consists of rows and columns.
2. In lists and ndarray elements are accessed their integer position numbers with zero for first element while in Series you can use letters, words instead of numbers to acccess elements.
3. Ndarrays are stored more efficiently than python lists & pandas series and allow mathematical operations to be vectorized, which results in significantly higher performance than with looping constructs in python.

