**NormalDistributionFunction**

1. Defining Function in the name of get\_pdf\_probabilities
2. Importing libraries:
3. Seaborn -To use advanced options in the plots like Kernel density function, distplot.
4. Matplotlib – To set the colors of Startrange and endrange using axvline.
5. Scipy – TO use Normal Distribution.
6. Declaring variable for dataset.
7. Calculating mean and Standard Deviation.
8. Plotting Mean and Standard Deviation using Norm function using Scipy Library.
9. We need to calculate pdf (Probability density Function) Using Distributed Mean and Standard Deviation.
10. We need to use For loop for the continuous Iteration.
11. We need to Sum all the iteration and return the function with sum of all iterated value.

**Cumulative Density Function**

1. Importing ECDF from statsmodels empirical distribution
2. Calculate ECDF using dataset.

**Z\_score**

1. Defining Function stdNBgraph
2. Importing seaborn to calculate distplot of mean and Standard Deviation.
3. Calculate Z\_score using the formula of (X- mean)/stddev.
4. Distplot using the calculated Z\_score value.