Standard Normal Distribution function:

- **def stdNBgraph(dataset):**
  Defines a function called stdNBgraph that takes one parameter: dataset

- **mean = dataset.mean()**
  Calculates the **mean** (average) of the dataset.

- **std = dataset.std()**
  Calculates the **standard deviation** of the dataset.

- **values = [i for i in dataset]**
  Uses a list comprehension to copy the dataset into a new list named values.

- **z_score = [((j - mean) / std) for j in values]**

  Calculates the **z-score** for each value in the dataset.

  The formula used:

  $$z=x-\text{mean}/\text{std}$$

- **sns.distplot(z_score, kde=True)**

  Using **Seaborn**, Plots a **distribution plot.**

  Shows the distribution of the z-scores.

- **sum(z_score)/len(z_score)**
  Calculates the **mean of the z-scores**,