What is the equivalent of runif() in Python?

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The equivalent of the "runif()" function in Python is the "random.uniform()" method. This method generates a random floating-point number between a given range. It can also be used to create a list of random numbers within a specified range. The "random.uniform()" method is part of the "random" module in Python and can be used for various statistical and scientific applications. It follows a similar syntax as the "runif()" function in other programming languages.

Use the Equivalent of runif() in Python

In the R programming language, we can use the runif() function to generate a vector of random values that follow a with a specific minimum and maximum value.

For example, the following code shows how to use runif() to create a vector of 8 random values that follow a uniform distribution with a minimum value of 5 and maximum value of 10:

```
#make this example reproducible
set.seed(1)

#generate vector of 8 values that follow uniform distribution with min=5 and max=10
runif(n=8, min=5, max=10)

6.327543 6.860619 7.864267 9.541039 6.008410 9.491948 9.723376 8.303989
```

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The equivalent of the runif() function in Python is the np.random.uniform() function, which uses the following basic syntax:

np.random.uniform(low=0, high=1, size=None)

where:

low: Minimum value of the distributionhigh: Maximum value of the distributionsize: Sample size

The following example shows how to use this function in practice.

Example: Using the Equivalent of runif() in Python

The following code shows how to use the np.random.uniform() function to generate an array of random values that follow a uniform distribution with a specific minimum and maximum value:

```
import numpy as np

#make this example reproducible
np.random.seed(1)

#generate array of 8 values that follow uniform
```

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distribution with min=5 and max=10
np.random.uniform(low=5, high=10, size=8)

array()

The result is a NumPy array that contains 8 values generated from a uniform distribution with a minimum value of 5 and maximum value of 10.

You can also create a histogram using Matplotlib to visualize a normal distribution generated by the np.random.uniform() function:

```
import numpy as np
import matplotlib.pyplotas plt

#make this example reproducible
np.random.seed(1)

#generate array of 200 values that follow uniform distribution with min=5 and max=10
data = np.random.uniform(low=5, high=10, size=200)

#create histogram to visualize distribution of values
plt.hist(data, bins=30, edgecolor='black')
```

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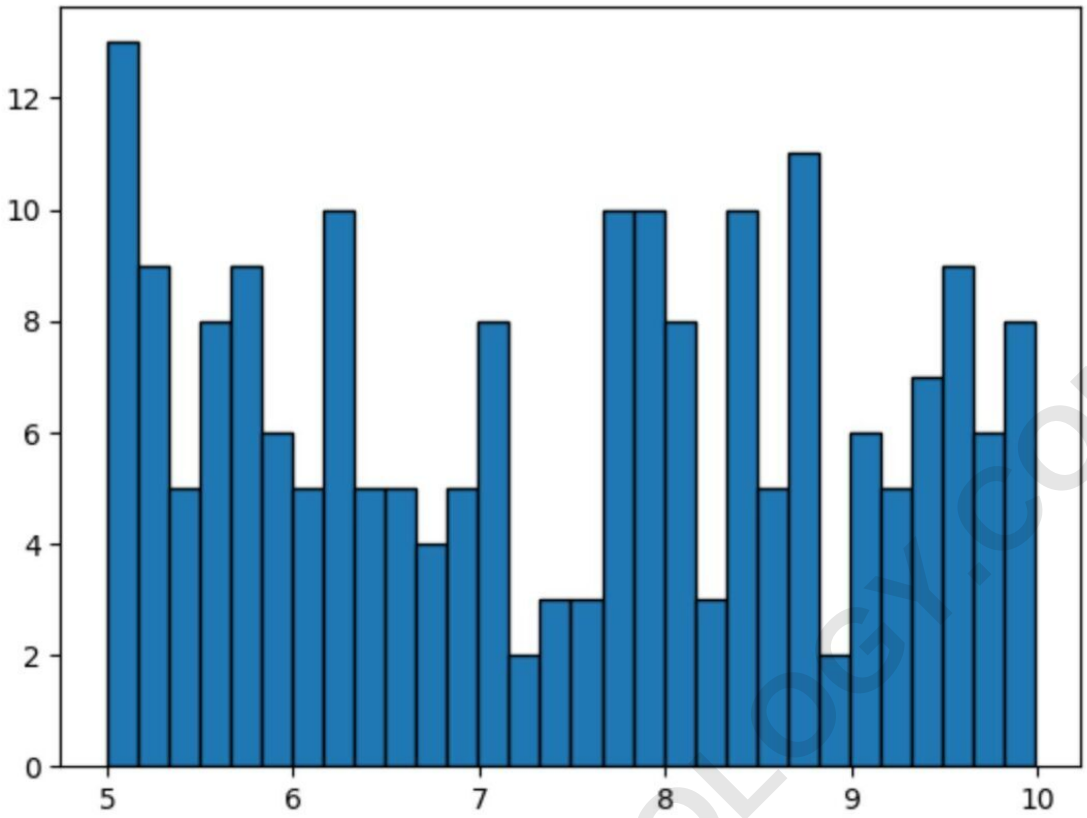

The x-axis shows the values from the distribution and the y-axis shows the frequency of each value.

Notice that the x-axis ranges from 5 to 10 since these were the minimum and maximum values that we specified for the distribution.

The following tutorials explain how to perform other common operations in pandas:

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