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# Chi Square Distribution

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## Chi Square Distribution

Chi Square distribution is used as a basis to verify the hypothesis.

It has two parameters:

**df** - (degree of freedom).

**size** - The shape of the returned array.

### Example

Draw out a sample for chi squared distribution with degree of freedom 2 with size 2x3:

```
from numpy import random  
  
x = random.chisquare(df=2, size=(2, 3))  
  
print(x)
```

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## Visualization of Chi Square Distribution

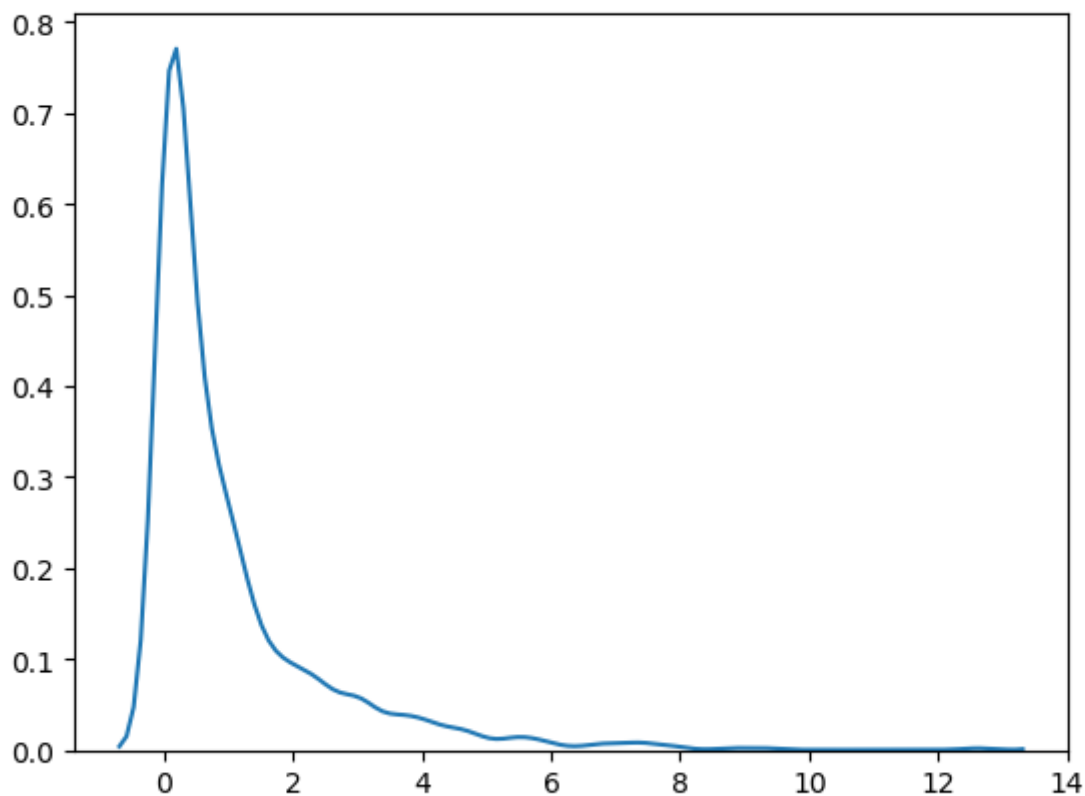
## Example

```
from numpy import random
import matplotlib.pyplot as plt
import seaborn as sns

sns.distplot(random.chisquare(df=1, size=1000), hist=False)

plt.show()
```

## Result



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