Shapiro-Wilk Normality test

In [ ]:
```python
import numpy  as np
from scipy.stats import normaltest , shapiro
data = np.random.normal(loc=0, scale=1, size=10000000)

# (Normality Test)
# Shapiro-Wilk Test
shapiro_test_statistic, shapiro_p_value = shapiro(data)
print("Shapiro-Wilk Test:")
print("Test Statistic:", shapiro_test_statistic)
print("p-value:", shapiro_p_value)
```

```
Shapiro-Wilk Test:
Test Statistic: 0.9999997535512499
p-value: 1.0
```

```
C:\Users\Mamzi\AppData\Local\Temp\ipykernel_6140\1872447261.py:7: UserWarning: scip
y.stats.shapiro: For N > 5000, computed p-value may not be accurate. Current N is 10
000000.
  shapiro_test_statistic, shapiro_p_value = shapiro(data)
```

In [ ]: