



NORMALITY TEST

INFERENTIAL STATISTICS

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Normality Test

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```
1 import pandas as pd
2 from scipy import stats
```

Python

Shapiro-Wilk Test

```
1 # Load 30-sample defects dataset
2 df = pd.read_csv(r"raw\defects-data-30-samples-dataset.csv", delimiter=",")
3 df
```

Python

```
1 # Summary of DataFrame
2 df.info()
```

Python

```
1 # Summary of Statistics
2 df.describe()
```

Python

```
1 # Shapiro-Wilk Test
2
```

Python

```
1 # W test statistic
2
```

Python

```
1 # probaility value
2
```

Python

Aderson-Darling Test

```
1 # Load defects dataset
2 df = pd.read_csv(r"raw\defects-dataset.csv", delimiter=",")
3 df
```

Python

```
1 # Summary of Dataframe
2 df.info()
```

Python

```
1 # Summary of Statistics
2 df.describe()
```

Python

```
1 # Anderson-Darling Statistics
2
```

Python

```
1 # A-square test statistic
2
```

Python

```
1 # Critical values
2
```

Python

```
1 # Significance level
2
```

Python