



NORMALITY TEST

INFERENTIAL STATISTICS

Prepared by:

Gyro A. Madrona

Electronics Engineer

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Normality Test

Data Analyst: Gyro A. Madrona
Department: Electrical Engineering

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

Shapiro-Wilk Test

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

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

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

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

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

```
1 # probability value
2
```

Aderson-Darling Test

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

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

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

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

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

```
1 # Critical values
2
```

```
1 # Significance level
2
```