HYPOTHESIS TEST
INFERENTIAL STATISTICS

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Hypothesis Testing

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```python
1  #%pip install statsmodels --upgrade
```
[ ]   Python

```python
1  # imports and packages
2  import pandas as pd
3  import numpy as np
4  from scipy import stats
```
[ ]   Python

```python
1  # load dataset
2  df = pd.read_csv(r"raw\defects-30-sample.csv",
3  │    │    │    │    │delimiter=",")
4  df
```
[ ] 🐝 Open 'df' in Data Wrangler   Python

```python
1  # summary of dataframe
2  df.info()
```
[ ]   Python

```python
1  # summary of statistics
2  df.describe()
```
[ ]   Python

```python
1  # parameters
2  pop_mean = 10.32
3  pop_std = 3.17
4  sample_mean = df['Defects'].mean()
5  n = df['Defects'].count()
```
[ ]   Python