```python
# Inferential statistics

It is allowing us to draw conclusion about population based on sample data.


Population -- N-whole data

sample -- n - small numbers of data


What is the purpose :

1- To forecast future outcomes.
2- to extends the results from a small samples to an entire population.
3- test hypothesis
    1- Null hypothesis(Ho)
    2- ALternative hypothesis(H1)

4- Estimate parameters
```

```python
# Types of Inferential statistics

1- Hypothesis Testing

    - Z-test
    - T-test
    - F-test
    - confidence interval - Provide the range of values within which a populatio
    - ANOVA(Analysis of variance)- Compare the means of more than two groups to


2- Regression Analysis

    - Linear Regression
    - Multi-Linear Regression
    - Nomial Regression
    - Logistic Regression
```

In [ ]: