

Inference

Statistical inference

- Its making conclusions on a population based on a sample data from it
- you can make educated guesses and estimations for all the population based of the studied sample you got

Concepts of Statistical inference :

- Estimation -> Point Estimation , Interval Estimation , Confidence intervals
- Hypothesis Testing --> null Hypothesis , alternative Hypothesis
- Probability Distributions --> Central limit theorem ,Normal Distribution...
- Bayesian Inference --> Updating the posterior with new data

Statistical inference in Machine Learning :

- Model Training & Evaluation
- Hypothesis Testing
- more to add..