



Mecatredz Technology

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Data Science Syllabus

Visit Our Official website : www.mtechnologies.org



1 .Descriptive & Inferential Statistics

- Turning Data into Information
- Data Visualization
- Measures of Central Tendency
- Measures of Variability
- Measures of Shape
- Covariance, Correlation
- Using Software-Real Time Problems

Probability Distributions

- Probability Distributions: Discrete Random Variables
- Mean, Expected Value
- Binomial Random Variable
- Poisson Random Variable
- Continuous Random Variable
- Normal distribution
- Using Software-Real Time Problems
- Sampling Distribution
- Central Limit Theorem
- Sampling Distributions for Sample Proportion, p-hat
- Sampling Distribution of the Sample Mean, x-bar
- Using Software-Real Time Problems

Prediction Analytics

- Statistical Inference
- Constructing confidence intervals to estimate a population Mean, Variance, Proportion
- Using Software-Real Time Problems

Applied Multivariate Analysis Approvals

Machine Learning

R Programming