Lecture wise plan

19 August 2020 01:52

MA 202 : Probability & Statistics

Lecture 1 : Introduction, Basic definitions

Lecture 2 : Classical definition, frequency definition and axiomatic definition of probability.

Lecture 3 : Conditional probability and Bayes' theorem

Lecture 4 : Random variable (Discrete)
Probability mass function (pmf)
Cumulative distribution function (cdf)

Lecture 5,6,7 : Mathematical expectation (discrete r.vs)
Mean, Median, Mode, Quartiles, Kurtosis, Skewness, Covariance, Correlation coefficient.

Lecture 8,9,10 : Some important discrete distribution
discrete uniform distribution,
Bernoulli trials and Bernoulli distribution
Binomial distribution
Poisson distribution
Geometric distribution

Lecture 11, 12 : Continuous random variable
Probability density function (pdf), cdf.
Mathematical expectation for cont. r.v.

Lecture 13, 14, 15 : Some Important cont. distribution
Normal distribution, Cont. uniform distribution, Beta dist., Gamma dist., Exponential distribution

Lecture 16, 17 : Two dimensional distribution and their properties

Lecture 18 : Regression

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Rest of the Lecture will be added soon.

Due to unavailability of mike I am unable to add my voice currently as soon as I receive the mike I will upload my video lectures.

Thanks.