MATH FOUNDATION WITH'
LINEAR ALGEBRA, STATS, PROBABILITY
AND DIFFERENTIAL CALCULUS FOR
DATA SCIENCE

> LINEAR ALGEBRA

scalars, vectors, vector operations, matrices, matrix operations, functions, linear transformations, inverse functions, eigen values and eigen vectors

STATISTICS

Statistics

Descriptive statistics

Inferential statistics

measure of central tendency,
measure of dispersion,
histograms, box plot, types
of distribution of data and
applications, PDF, PMF,
normal and gaussian
distribution

Hypothesis testing, Z-test, t-test, CHI square fest, Annova test

DIFFERENTIAL CALCULUS

Derivates, slope, tangent lines, polynomial expressions trigonometric expressions, chain rule of derivative and composite functions.

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