



EDO UNIVERSITY IYAMHO
Department of Mathematics and Computer Science
MTH 212: Statistics

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Lectures: Tuesday, 10am – 12 pm, Thursday, 1pm – 2 pm, NLT3. Phone: (+234) 8164830801

Office Hours: Tuesday, 2.30 to 3.30pm (Just after Class), Office: DA7 New Site.

Course Code MTH 212: Statistics (3 Units)

Probability, finite sample space, axioms of probability, simple theorems, concepts of probability addition and multiplication rules, conditional probability and independence, Bayes' theorem. Probability distributions: random variables, means and variances, Binomial, Poisson and Normal distributions. Mathematical expectations and Chebychev's inequality. Population and samples. Random sampling distributions, estimation (point and interval) and Tests of hypotheses concerning population mean and proportion (one and two sample cases).