

un iver sity of mumbai - 4 given $x_j = x_j$ (ref.2,3,6,7) unit iv: order statistics (i) definition of order statistics based on a random sample. (ii) derivation of: (a) cumulative distribution function of r th order statistic. (b) probability density functions of the r th order statistic. (c) joint probability density function of the r th and the s th order statistic
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