



**B.Sc. (Statistics) SEMESTER- III**

**Paper 1 (STATISTICAL METHODS)**

**Unit 1**

Bivariate distribution: <https://youtu.be/phHw6BBL4eg>

Stochastic independence: <https://youtu.be/xGno4w-0Rhc>

Covariance and correlation coefficient: <https://youtu.be/YWVTqxTouAc>

**Unit 2**

Marginal bivariate normal distribution: <https://youtu.be/D5Fa1ZVjlfU>

Conditional bivariate normal distribution: <https://youtu.be/5IGWoQ36s0Y>

Multinomial distribution: <https://youtu.be/syVW7DgvUaY>

**Unit 3**

Sampling from a distribution: [https://youtu.be/z0Ry\\_3\\_qhDw](https://youtu.be/z0Ry_3_qhDw)

Transformation of variables technique: [https://youtu.be/zNZkfZytc\\_o](https://youtu.be/zNZkfZytc_o)

Distribution of a function of random variables: <https://youtu.be/d5ZhYQau4o0>

**Unit 4**

Chi-square distribution: <https://youtu.be/WMcQyIXKCD0>

T-distribution: <https://youtu.be/TIc9Sj5Mx4c>

F-distribution: <https://youtu.be/Lu56o2Zl3aY>