



BS BIOLOGICAL SCIENCES

Sir Mughal · Sir Jawad

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BIO401-Bio-statistics

IMPORTANT LESSONS FOR MIDTERM

By

SHAHZAIB SHABBIR

(TEAM MEMBER BS BIOLOGICAL SCIENCES GROUP)

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📞 **IMPORTANT LESSONS FOR MIDTERM:**

- ***Lesson 1 – Introduction to Biostatistics***
- ***Lesson 4 – Data***
- ***Lesson 5 – Variables***
- ***Lesson 6 – Measurement Scales – I***

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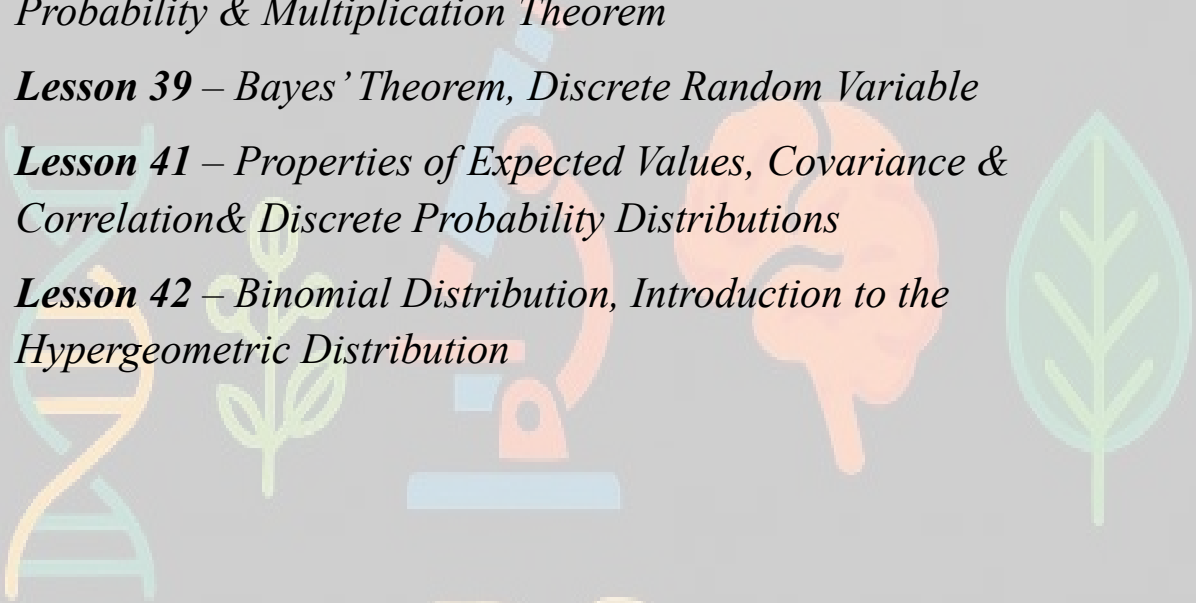
- **Lesson 7** – Measurement Scales – II
- **Lesson 9** – Sampling and Statistical Inference
- **Lesson 10** – Basic Terminology for Sampling
- **Lesson 11** – Types of Sampling Methods
- **Lesson 12** – Simple Random Sampling
- **Lesson 13** – Stratified Random Sampling
- **Lesson 14** – Cluster Sampling
- **Lesson 15** – Systematic Sampling
- **Lesson 16** – Non-Probability Sampling Methods
- **Lesson 17** – Convenience Sampling
- **Lesson 18** – Describing Data with Tables – I
- **Lesson 19** – Describing Data with Tables – II
- **Lesson 21** – Contingency Tables
- **Lesson 25** – Box and Whisker Plot
- **Lesson 30** – The Central Tendency of a data-set
- **Lesson 31** – Measures of Dispersion
- **Lesson 32** – Mean Deviation, Standard Deviation and Variance & Coefficient of variation
- **Lesson 35** – Set Theory & Counting Rules
- **Lesson 36** – Permutations & Combinations
- **Lesson 37** – Definitions of Probability

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- **Lesson 38** – Application of Addition Theorem, Conditional Probability & Multiplication Theorem
- **Lesson 39** – Bayes' Theorem, Discrete Random Variable
- **Lesson 41** – Properties of Expected Values, Covariance & Correlation & Discrete Probability Distributions
- **Lesson 42** – Binomial Distribution, Introduction to the Hypergeometric Distribution



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"Note: This is just one example of a solution. Try to come up with your own idea!"

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Good Luck ☺

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Join Us!

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GROUP FOR STUDENTS

- ✓ BS (Hons) Zoology
- ✓ BS (Hons) Biotechnology
- ✓ BS (Hons) Bioinformatics

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