

The Islamia University Of Bahawalpur

Department Of Library Science

Basic Statistics-I (LISC-00302)

Total credit= 3

Instructor: Muhammad Ahmed Raza

Classs Hours: Thusday 8.30-10.00 am

Friday 8.30-10.00 am

Course Outline:

- Variable and its types.
- Distinguish between quantitative and qualitative data.
- Data and its types.
- Distinguish between primary and secondary data.
- Measures of central tendency.
- Average and its types.
- Advantages of averages.
- Properties of arithmetic mean.
- Measures of dispersion and its types.
- Describe event and its types.
- What is probability distribution.
- What is discrete and continuous distribution.
- Binomial distribution.
- Hypergeometric distribution.
- Poisson distribution
- Normal distribution
- Testing of hypothesis (z-test, t-test, f-test).
- Estimation.

EXAMS:

There will be one written exam in accordance with the university schedule. All policies, procedures and highest moral/ ethical standards will be strongly observed.

MID EXAM COURSE:

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Recommended books and notes:

- Programmed statistics by B-L Agarwal second edition
- A course on mathematics and statistics by Prof. Abdul Sammad Harai
- Hand notes by Prof. M Amin Raza.