

PSYC B5: Elementary Statistics for the Behavioral and Social Sciences

Student Learning Outcomes or AUO	Measure	PLO	ILO	GE
1. Identify and explain the levels of measurement and terminology used in statistical analysis.	Pre Post Test Essay	PLO 1 PLO 2	1	B.2.1
2. Explain and effectively apply descriptive and inferential statistics for each level of data.	Pre Post Test Essay	PLO 1 PLO 2	1	B.2.1
3. Interpret statistical analyses based on behavioral and social research problems.	Pre Post Test	PLO 1 PLO 2	1	B.2.1
4. Course Objectives: A. Practice and use basic mathematical techniques; B. Conduct elementary numerical computations; interpret the results in written form; C. Organize, classify, and represent quantitative data in the social and behavioral sciences in various forms: tables, graphs, rates, percentages, measures of central tendency and variation; D. Make statistical inference using estimation, hypothesis testing, correlation, and regression. E. Demonstrate familiarity with applications to social and behavioral data sets in statistical software.	Pre Post Test Essay	PLO 1 PLO 2	1	B.2.1

PLOs:

1. Demonstrate an understanding of the major concepts of behavior, theoretical perspectives, empirical findings, and historical trends in psychology.

Assessment: Exams, quizzes, papers, research and presentations.

2. Demonstrate an understanding of basic research methods and information competency in obtaining relevant information about the science and profession of psychology.

Assessment: Exams, quizzes, papers, research and presentations.

3. Exhibit an awareness of the ethical and professional factors related to the diversity of individuals and groups within the discipline of psychology.

Assessment: Exams, quizzes, papers, research and presentations.

ILOs:

- I. **Think critically and evaluate sources and information for validity and usefulness.**
- II. **Communicate effectively in both written and oral forms.**
- III. **Demonstrate competency in a field of knowledge or with job-related skills.**
- IV. **Engage productively in all levels of society – interpersonal, community, the state and nation, and the world.**

GELOs:

Use the GE categories from the catalog if this is a GE course.

A-E

B.2. Mathematics and Logic (Analytic Thinking)

1. Apply formal systems of reasoning in solving problems or analyzing arguments.

