



Education within the reach of all
A Ministry of Calvary Chapel-Port-au-Prince
(509) 2209-5686 - administration@uespoir.edu.ht - www.uespoir.edu.ht

Syllabus

Course Title

DESCRIPTIVE STATISTICS

I- Course Objective:

In this course, you will learn how to reason about any statistics you encounter or see in the media. The key elements will teach you how to write, solve, and represent the indicators you analyze. The course will also cover the analysis of tables, graphs, measures of central tendency, and measures of dispersion...

II- General Learning Objectives: By the end of the course, the student should be able to:

1. Develop a positive attitude towards learning mathematics.
2. Appreciate the necessity, power, and beauty of statistics and recognize its relationship with other disciplines and everyday life.
3. Acquire knowledge and understanding of statistical concepts.

III- Course Outline:

1) Introduction:

Statistics, Population, Statistical Unit, Characteristic

Difference between Population and Sample, Sampling and Census, Discrete and Continuous Variables, Database and Distribution Table, Raw Data and Processed Data,

Univariate and Multivariate Distribution.

2) Study of Frequency Distributions with Univariate Variables:

Data Collection, Absolute Frequency, Relative Frequency, Cumulative Frequency, Decreasing Cumulative Frequency, Histogram, Frequency Polygon, Ogive, Examples using Excel.

3) Study of Measures of Central Tendency:

Arithmetic Mean, Median, Mode, Quartiles, Other Means, Examples using Excel.

4) Study of Measures of Dispersion:

Range, Mean Deviation, Variance, Standard Deviation, Skewness Coefficient, Examples using Excel.

5) Multivariate Distributions:

Tabular Presentation, Notation.