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Name: Iyohi S. Dennis
USN: 4AL12E1087

Report

AN OVERVIEW OF BASIC STATISTICS Statistics being a branch of mathematics is often associated with anxiety or unease, particularly among students who fear mathematics for one reason or another. Well, if you are one of those students then sit, relax & read this chapter first as it will take you through a journey in which you will discover a world of fun, excitement, vision & creativity with minimum mathematical details, this chapter introduces key concepts & universal terms that are used among statisticians & briefly discusses common statistical tools, their underlying principles & their practical merits.

WHY SHOULD YOU LEARN STATISTICS? In general purpose statistics is the science of dealing with variability, uncertainty, & subjectivity to produce objective & quantitative information that can assist in making reliable decisions about numerous situations in life. Globally, statistics is a key tool in gov. & organizations activities. The reason we need statistics is that we are living in a world of numbers, or more precisely a world of data.

WHAT IS STATISTICS? "The science & art of reading, describing, and manipulating data, which represents variables so that practical observations about a population can be made from a sample drawn from the population, & guidelines can be established to allow making precise

of accurate conclusions about a certain process or system
"statistics": b/w science & art, art stems from
extrapolation, interpretation, & judgement, it is well-
known, statistics doesn't provide cause & effects; it
only yields analysis outcome based on the data used.
it is then your job to provide cause & effects.