

# Statistics: An Indispensable Tool in the Field of Research

Solomon Chukwu Ohiri<sup>1</sup> and Dr. Ihebom Chidinma Nnennaya<sup>2</sup>

Directorate of Academic Planning<sup>1</sup>

Degree Admissions Unit<sup>2</sup>

Alvan Ikoku Federal College of Education, Owerri, Imo State, Nigeria

ohiri.chukwu2018@gmail.com and ceerimaconcept@gmail.com

**Abstract:** *This paper highlighted statistics as an essential tool in research making, be it in education, health, engineering, agriculture, industry, science and technology for the betterment of the society. It revealed that statistics helps us to analyze data, to identify and probe trends and relations, to develop generalization, to revise and improve our theories. The paper recommended, among others, that academic institutions should ensure that research teachers are well grounded in the field of statistics.*

**Keywords:** Statistics, Indispensable, Research, Tool, Relevance.

## REFERENCES

- [1]. Agu, N.N. (2014). Basic statistics for education and behavioral sciences. Awka: J'Goshen Publishers.
- [2]. Akuezuilo, E.O. (1993). Research methodology and statistics, new edition. Akwa: Nuel Conti (Nig) Publishers.
- [3]. Devore, J.L. (2004). Probability and statistics for engineering and the sciences, 6th edition. Belmont: Brooks/Cole.
- [4]. Dike, O.A. (2009). Statistics: Theory and application, 2<sup>nd</sup> edition. Abakeliki: Ugub's Printing & Publishing Co.
- [5]. Grant, E.L. & Leavenworth, R. S. (1996). Statistical quality control, 7<sup>th</sup> edition. Boston: McGraw-Hill.
- [6]. Harnett, D.L. & Murphy, J.L. (1975). Introductory statistical analysis. Massachusetts: Addison-Wesley Publishing Company Inc.
- [7]. Healey, J.F. (2005). Statistics: A tool for social research, 7<sup>th</sup> edition. Belmont: Thomson Wadsworth.
- [8]. Mendenhall, W. & Reinmuth, J.E. (1978). Statistics for management and economics, 3<sup>rd</sup> edition. Massachusetts: Duxbury Press.
- [9]. Ozo, J.U.; Odo, P.O.; Ani, J.O. & Ugwu, T.U. (2007): Introduction to project writing for business and financial studies, 2<sup>nd</sup> edition. Enugu: New Dimension Publishers.
- [10]. Ozofor, N.M. (2012). Contemporary research design and methods, Vol 1. Enugu: Franklead Publishing Co.
- [11]. Salkind, N.J. (2003). Exploring research, 5<sup>th</sup> edition. New Jersey: Prentice Hall.
- [12]. Ugwu, P.U. (2003). Digestive principles and techniques of statistics. Enugu: Rhema Publications.
- [13]. Walpole, R.E. (1968): Introduction to statistics. London: Macmillan