Editorial

Biostatics: An Introduction

Kshitij Shinghal*

Department of Electronics & Communication engineering, Moradabad Institute of Technology, India

*Corresponding author: Kshitij Shinghal, Associate Professor, Department of Electronics & Communication engineering, Moradabad Institute of Technology, Moradabad, UP, India.

Submission: 🗓 December 12, 2017; **Published:** 🗓 December 19, 2017

Editorial

Biostatistics is an emerging field involving the application of statistical principles to a wide range of topics in biology i.e. process data related to living organisms. In biostatics, the principles of statics are applied to design and analyze experiments related to biological phenomenon. It involves the collection, summarization, and analysis of data from the above-said experiments along with interpretation and inference from the results. After performing a biological experiment data collected, lying in an unorganized way without analysis is of no use, unless it is properly sorted, presented, compared, analyzed and interpreted. For performing analysis, sorting and presentation of biological data, acquired from biological experiments biostatistics is serving as an extremely useful means. The experiments may be related to medicine, pharmacy, agriculture or fishery etc. Major applications of biostatics are:

A. In medicine where it deals with medicine, health services research, nutrition, environmental health and healthcare policy etc. related issues.

B. Design and analysis of clinical trials in medicine

C. Assessment and study in physiology and anatomy

D. In Pharmacology to study effects of various drugs on animals, human beings, analyzing and comparing effects of drugs etc.

E. Assessment of severity state of a patient with prognosis of outcome of a disease

F. Population genetics

G. Clinical medicine and preventive medicine for analysis of data related to diseases or disease stages etc.

H. Ecology, ecological forecasting

I. Biological sequence analysis

J. In epidemiological studies, the role of causative factors is statistically tested

K. Systems biology for gene network inference or pathways analysis

L. Population dynamics and many more

The "Journal of Biosensors & Bioelectronics" is a very good platform for disseminating research work, ideas and innovations at internationally recognized platform. It is an international open access journal that seeks original research papers, review articles, mini-reviews, short communication, opinions, letters to editors etc. It invites papers related to new bio statistical models and methods, new statistical theory, as well as original applications of statistical methods, for important practical problems arising from the biological, medical, public health, and agricultural sciences. It also focuses on highest quality scientific papers and review articles of interest to academic and industrial researchers. The journal covers the entire range of biostatistics, from theoretical advances to relevant and sensible translations of a practical problem into a statistical framework, including advances in bio statistical computing. Its main focus is on covering recent developments in areas of bioinformatics and computational biology. OABB also allows for data and software code to be appended, and opens the door for reproducible research allowing readers to easily replicate analysis described in papers. Please contribute articles to this journal in a timely manner, to ensure it gets published timely and becomes part of this important forum for the exchange of ideas and knowledge which will ultimately translate to better technological exchange of information among peers. If you have any questions or comments about the Journal, please contact at info@crimsonpublishers.com The Journal is available online, please visit the following website: http://crimsonpublishers.com/oabb/

Acknowledgement

Volume 1 - Issue - 1