Journal of Biomedical Analytics - An Introduction

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Abstract: *Journal of Biomedical Analytics* is a peer-reviewed open access electronic journal in biostatistics, public health, and biomedical sciences. The journal publishes original contributions in novel applications of statistical methods and insightful visualization techniques for making sense of data.

Keywords: Editorial

1   Introduction

It is a distinct pleasure to announce the publication of *Journal of Biomedical Analytics*. It is a peer-reviewed open access electronic journal in biostatistics, public health, and biomedical sciences. The journal publishes original contributions in novel applications of statistical methods and insightful visualization techniques for making sense of data.

The Journal of Biomedical Analytics is published by the Biomedical Research Foundation, Bangladesh (www.brfbd.org)

2   Why Another Journal

The collection and use of massive amount of data have never been felt before as it is today. From an individual to large corporations and everyone in between are generating data at a tremendous pace. One thing is sure– the scope and pace of collection of data will only grow as we look to the future. Statistics gives life to data. Statistical techniques are essential tools for making data-driven decisions in all the aspects of life– from testing the efficacy of a new drug to understanding the changes in social dynamics. The motivation of this journal is to demonstrate and make it accessible to practitioners the role data analytics and visualizations play in knowledge discoveries and how it paves the way to understand the future and the uncertainties that surround it.

The Journal of Biomedical Analytics will become an archive of myriad examples of data analytics through statistical techniques and innovative data visualizations both from within and outside of the academic realm. The journal acts as a communication platform for practitioners from a wide range of scientific disciplines. This includes data scientists, data engineers, quantitative analysts, biostatisticians, clinicians, social scientists, communication analysts, financial analysts, business analysts and the like.

3 Focus and Scope

Journal of Biomedical Analytics features original contributions in applications of statistical methods in solving problems arising in biomedical disciplines. Statistical applications must be central to the paper and must outline how the subject-specific experts or users will be benefited by the analysis presented in the paper using an established or new statistical method. Analyses of datasets adapting commonly used statistical tools are welcome so long the data are new to the discipline or they reveal interesting details of existing results. Articles focusing only on developing purely theoretical statistical methods are not generally within the scope of this journal unless they clearly demonstrate specific or potential areas of applications. Articles demonstrating the development of novel methods that are driven by empirical data analysis problems are encouraged. Unless there is a proper justification, motivating or application examples need to come from everyday data analysis issues, not solely from a hypothetical simulation study.

A range of interdisciplinary topics is covered in this journal. Articles from all areas of natural, social, and mathematical sciences are considered for publication as long as their focus or inspiration is mainly of applied nature. Specifically, the journal welcomes original papers, clinical case reports, book reviews, short communications, review of published articles, statistical software reviews, and rigorous tutorial articles on statistical concepts with practical examples in one or more of the following disciplines:

- Biostatistics
- Public health and epidemiology
- Bioinformatics
- Big data in healthcare
- Artificial Intelligence and machine learning
- Pharmacy and related disciplines
- Applied mathematics
- Medical image processing
- Operations research

4 Publication Frequency

The journal aims for faster publication following a double-blind rigorous peer review process with an expected initial review within two weeks. There will be two issues per year– one in January and the other in July.

5 Indexing

The journal is currently indexed in Google Scholar. We are actively working on indexing it in all leading indexes and aggregators.

6 Conclusion

On the occasion of publication of the inaugural issue, we would like to thank the authors for their scholarly contributions, reviewers for their critical reviews, and the readers for their support.

The journal has a purely scholarly focus and there is no article submission or article processing charges. We hope you would consider this journal as an avenue for your next publication.