

APPLICATION OF DATA SCIENCE IN MEDICINE

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ABSTRACT

Data science is the useful technology in the present day. The application of data science can be seen in several ways. With the emerging of big data, the application of data science is proven for the usefulness. Here, the authors discuss on the usefulness of applied data science in medicine.

KEYWORDS: Data Science, Medicine.

INTRODUCTION

Data science is the useful technology in the present day. The application of data science can be seen in several ways. With the emerging of big data, the application of data science is proven for the usefulness [1]. Here, the authors discuss on the usefulness of applied data science in medicine.

EXAMPLES OF APPLIED DATA SCIENCE IN MEDICINE

As already mentioned, the application of data science is possible in medicine. There are several advantages due to the applications. Here the important applications will be discussed.

BIOINFORMATICS [2]

The bioinformatics is the application of computational technology on the biological data. It is the useful scientific technique developed after the complete of the genom projects. In bioinformatics, the database is an important fundamental. The clarification and prediction is usually based on the data stored in the database.

MEDICAL RECORD MANIPULATION [3]

The medical record is the generally use thing in medical service. At present, the medical record turns into electronic format. The usefulness of data science in manipulation of medical record is acceptable. It can help manage the storage of the data as well as generate the medical research based on the stored medical record data.

PUBLIC HEALTH PLANNING IN MASCRO SCALE

The public health data usually requires the data which might be derived from active and passive recording system. The use of data science technology in manipulating of the data is confirmed and it is the advantage for preventive medicine purpose in public health.

CONCLUSION

The data science is useful in medicine in several aspects. The practitioner has to recognize and realize the basic principle and way to apply data science in medicine.

CONFLICT OF INTEREST: None

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REFERENCES

- [1]. Bland JS, Minich DM, Eck BM. A Systems Medicine Approach: Translating Emerging Science into Individualized Wellness. *Adv Med.* 2017; 2017: 1718957. Doi: 10.1155/2017/1718957.
- [2]. Chen J, Lin Y, Shen B. Informatics for Precision Medicine and Healthcare. *AdvExp Med Biol.* 2017; 1005:1-20.
- [3]. Fenton SH, Low S, Abrams KJ, Butler-Henderson K. Health Information Management: Changing with Time. *Yearb Med Inform.* 2017 Aug; 26(1):72-77. Doi: 10.15265/IY-2017-021.