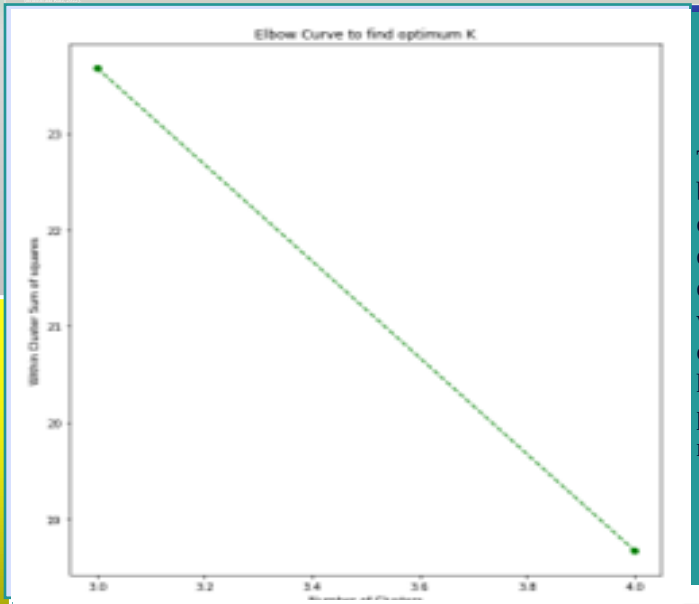
APPLIED DATA SCIENCE 1

Introduction

With the help and usage of data science, one can form emerging models and can predict the result as updated techniques and tools are involved and also, compound algorithms of machine learning are included in data science technology. An effective method to extract clean, processed and relevant findings and information from huge amounts of datasets for the discoveration and formation of creative emerging ideas and plannings is pointed to data science. However, applied data science is none other than executing these insights with applied and concerned conceptual, theoretical frameworks and intelligent, efficient algorithms along with. .

Technical analysis

In this part, technical execution and evaluation and implementation of the mentioned model over the dataset has been described and elaborated briefly. All the work has been executed using python language over jupyter notebook platform and k-means clustering method has been taken to perform the whole task and obtain suitable output (Rettig et al. 2019). First of all, the provided dataset has been imported to the jupyter notebook using the relevant command and for executing the whole model, all the libraries that are needed have been imported properly (Cao, 2017).



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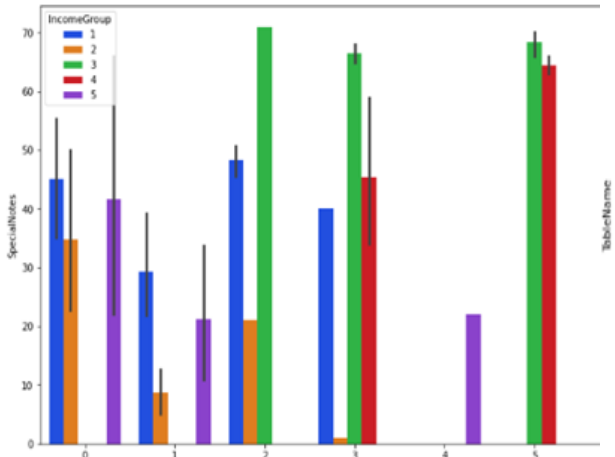
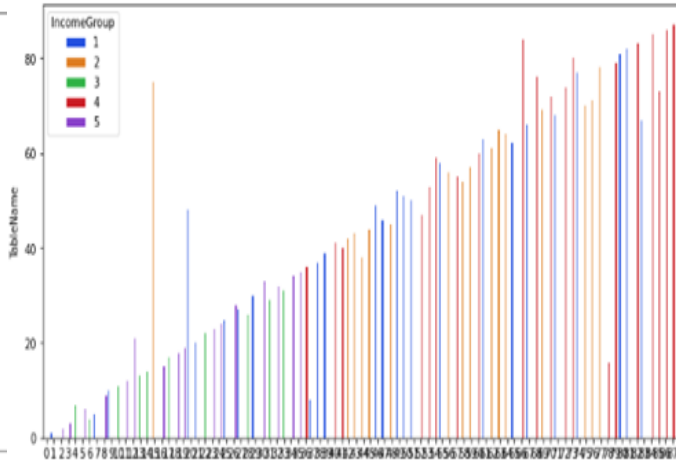
The dataset over which the whole task and method has been performed is imported and read using proper codes that is attached in the above image. After that, the dataset has been displayed. It is displayed that the dataset contains 265 rows and 6 columns having null values within it. After that, the raw dataset has been cleaned and pre-processed removing null values and has been converted to a relevant dataset. After pre-processing, the present processed dataset contains 265 rows and 5 columns.





Conclusion

All the required tasks and experiments have been done attentively and relevant outputs are obtained. There are several projects that has been implemented using k-means method and in future, the usage and implementation and works on this specific innovative field will take place so that distinct creative effective ideas as well as business plans and strategies and new technical models can be generated for the advancement and prosperity of industry and society as well as. Finally, it can be concluded that the project has been performed meeting all the required information and specifications and future usage of these methods are spectacular.

References

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Mehta, S., Shen, X., Gou, J. and Niu, D., 2018. A new nearest centroid neighbor classifier based on k local means using harmonic mean distance. Information, 9(9), p.234.