Python is an interpreted object-oriented programming language which is gaining popularity in the field of data science and analytics by creating complex software applications. Python has a very large and robust standard library which is used for analyzing and visualizing data. Data scientists have to deal with huge amounts of data known as big data. With simple usage and a large set of Python libraries, Python has become a popular option to handle big data. Python builds better analytics tools which can help data scientists in developing machine learning models, web services, data mining, classification etc. In this paper, we will review various tools which are used by Python programmers for efficient data analytics and its scope and comparison with other languages.

References

and Education"

data mining: a review”

Yacef, O. Zaíane, H. Hershkovitz, M. Yudelson, & J. Stamper, J. (Eds.) Proceedings of the 5th
International Conference on Educational Data Mining (EDM 2012). (pp. 152-155) “Development
of a Workbench to Address the Educational Data Mining Bottleneck”


6. J. Alcal´a-Fdez1, L. S´anchez2, S. Garc´ıa1, M.J. del Jesus3, S. Ventura4, J.M. Garrell5,
J. Otero2, C. Romero4, J. Bacardit6, V.M. Rivas3, J.C. Fern´andez4, F. Herrera1 “KEEL: A
Software Tool to Assess Evolutionary Algorithms for Data Mining Problems”

Scientific and Biomedical Visualizations with Tableau." Journal of eScience Librarianship 7(1):
e1120. https://doi.org/10.7191/jeslib.2018.1120

8. Sanchita Patil MCA Department, Vivekanand Education Society's Institute of Technology,
Chembur, Mumbai in International Research Journal of Engineering and Technology (IRJET)
e-ISSN: 2395 -0056 Volume: 03 Issue: 07 | July-2016 www.irjet.net p-ISSN: 2395-0072 © 2016,
Analytics Using R”


11. Thirunavukkarasu K1 and Dr.Manoj Wadhawa in International Journal of Computer
Science, Engineering and Applications (IJCSSEA) Vol.6, No.1, February 2016 “Analysis and
Comparison Study of Data Mining Algorithms Using Rapidminer”.

12. Makrufa Sh. Hajirahimova, Marziya I. Ismayilova DOI: 10.25045/jpit.v09.i1.07 Institute of
Information Technology of ANAS, Baku, Azerbaijan “Big Data Visualization: Existing
Approaches and Problems”.

Science (IJTIMES) Impact Factor: 3.45 (SJIF-2015), e-ISSN: 2455-2585 Volume 4, Issue 5,
May-2018 IJTIMES-2018@All rights reserved 1012 “A Review Paper on Big Data Analytics
Tools”

International Journal of Advanced Research in Computer Science and Software Engineering
Research Paper (ijarcssse) “Comparative Study of Data Mining Tools”

15. Anmol Bansal and Dr. Satyajee Srivastava et al. International Journal of Recent
Research Aspects ISSN: 2349-7688, Vol. 5, Issue 1, March 2018, pp. 15-18 “ Tools Used in
Data Analysis: A Comparative Study”

Analysis”

17. Dr. Snezhana Sulova, Dr. Latinka Todoranova, Dr. Bonimir Penchev, Radka Nacheva,
Bulgaria www.sgem.org “Using Text Mining to Classify Research Papers”

18. D G Rossiter Version 1.4; May 6, 2017 “An example of statistical data analysis using the
R environment for statistical computing”

19. K. R. Srinath Telangana, India International Research Journal of Engineering and
Technology (IRJET) e-ISSN: 2395-0056 Volume: 04 Issue: 12 | Dec-2017 www.irjet.net p-ISSN:
Index Terms

Computer Science  

Information Sciences

Keywords

Machine learning, data science, big data