Python in Field of Data Science: A Review

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 178
- Number 49

Year of Publication: 2019

Authors:
Mani Butwall, Pragya Ranka, Shuchi Shah

10.5120/ijca2019919404

Abstract

Python is a interpreted object oriented programming language which gaining popularity in field of data science and analytics by creating complex software applications. Python has very large and robust standard libraries which are used for analyzing and visualizing the data. Data scientists have to deal with huge amount 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 scientist 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.Romer4, J. Bacardit6, V.M. Rivas3, J.C. Fern´andez2, 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 (IJCEA) Vol.6, No.1, February 2016 “Analysis and
Comparisison Study of Data Minimg 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 (JTIMES) 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 (ijarcsse) “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