References

May 26, 2022

1 References

1.1 Python

- 1. Romano, F.; Kruger, H. Learn Python Programming An In-Depth Introduction to the Fundamentals of Python, 3rd Edition.; Packt Publishing, Limited: Birmingham, 2021.
- 2. Klosterman, S.; O'Reilly for Higher Education (Firm); Safari, an O. M. C. Data Science Projects with Python Second Edition; 2021.
- 3. Ramalho, L. Fluent Python, First edition.; O'Reilly: Sebastopol, CA, 2015.
- 4. McKinney, W. Python for Data Analysis; O'Reilly: Beijing, 2013.

1.2 General on ML

- 1. Unpincgo, J. Python for probability, Statistics and Machine Learning; Springer 2016; ISBN 978-3-319-30715-2
- 2. Smola A, Vishwanathan, S. V. N. Introduction to Machine Learning, Cambridge 2008
- 3. Cohelho, L. P., Richert W. Building Machine Learning Systems with Python. Packt publishing, 2013

1.3 Supervised learning

- 1. An Introduction to Statistical Learning: With Applications in R; James, G., Witten, D., Hastie, T., Tibshirani, R., Eds.; Springer texts in statistics; Springer: New York, 2013.
- 2. Ahmad, I. 40 Algorithms Every Programmer Should Know; Packt Publishing: S.l., 2020.
- 3. Python for Probability, Statistics, and Machine Learning; Springer Berlin Heidelberg: New York, NY, 2016.
- 4. Alexandre Kowalczyk. Support Vector Machines Succintly. 2017 Syncfusion inc.

1.4 Unsupervised learning

- 1. Han, J.; Kamber, M. Data Mining: Concepts and Techniques, 3rd ed.; Elsevier: Burlington, MA, 2011.
- 2. Data Clustering: Algorithms and Applications; Aggarwal, C. C., Reddy, C. K., Eds.; Chapman & Hall/CRC data mining and knowledge discovery series; Chapman and Hall/CRC: Boca Raton, 2014.

3. Dangeti, P. Statistics for Machine Learning: Techniques for Exploring Supervised, Unsupervised, and Reinforcement Learning Models with Python and R; Packt Publishing: Birmingham, UK, 2017.

1.5 Metaheuristics

- 1. Eyal Wirsanski. Hands on genetic algorithms with Python. Packt publishing 2020.
- 2. David E. Goldberg. Genetic Algorithms in search, optimization e Machine Learning. Addison Wesley, 1985.
- 3. Luke S, Essentials of Metaheursitcs, Online version 2.2, 2015

1.6 SVM

Kowalczyk, A.; Support Vector Machines Succintly; Syncfusion ebooks, 2017

1.7 ANNs

- 1. McCaffrey, J., Neural Netowrks Using C#, Succintly; Syncfusion ebooks, 2017
- 2. Géron, A., Hands on Machine Learning with Scikit Learn & TensorFlow, 2018
- 3. Kneusel, R. D., Practical Deep Learning, a Python based introduction, No starch Press 2021