My teaching book library

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Références

[1] Charu C. Aggarwal. *Recommender Systems : The Textbook*. Springer Publishing Company, Incorporated, 1st edition, 2016.

[2] Sheldon Axler. *Linear Algebra Done Right*. Springer, 2015.

[3] Ricardo Baeza-Yates and Berthier Ribeiro-Neto. *Modern Information Retrieval : The Concepts and Technology behind Search*. Addison-Wesley Publishing Company, USA, 2nd edition, 2011.

[4] Albert-Laszló Barabasi. *Network Science*. Cambridge University Press, 2016. (available online).

[5] Michael W. Berry and Jacob Kogan, editors. *Text Mining : Applications and Theory*. Wiley, 2010.

[6] Christopher M. Bishop. *Pattern Recognition and Machine Learning (Information Science and Statistics)*. Springer-Verlag, Berlin, Heidelberg, 2006. (available online).

[7] Avrim Blum, John Hopcroft and Ravindran Kannan. *Foundations of Data Science*. Cambridge University Press, 2020. (available online).

[8] Peter Bühlmann and Sara van de Geer. *Statistics for High-Dimensional Data : Methods, Theory and Applications*. Springer, 2011.

[9] S. Ceri, A. Bozzon, M. Brambilla, E. Della Valle, P. Fraternali, and S. Quarteroni. *Web Information Retrieval*. Springer, 2013.

[10] Fan R. K. Chung. *Spectral Graph Theory*. Number 92. CBMS, 1994.

[11] Bruce Croft and J. Lafferty, editors. *Language Models for Information Retrieval*. Kluwer Academics, 2002.

[12] Anirban Dasgupta. *Probability for Statistics and Machine Learning*. Springer, 2011.

[13] Marc Peter Deisenroth, A. Aldo Faisal and Cheng Soon Ong. *Mathematics for Machine Learning*. Cambridge University Press, 2021. (available online).

[14] Sandor Dominich. *The Modern Algebra of Information Retrieval*. Springer, 2008.

[15] Richard O. Duda, Peter E. Hart and David G. Stork. *Pattern Classification*. Wiley, New York, 2 edition, 2001.

[16] Rick Durrett. *Probability : Theory and Examples*. Number 49 in Cambridge Series in Statistical and Probabilistic Mathematics. Cambridge University Press, 5th edition, 2019. (available online).

[17] Wolfgang Ertel. *Introduction to Artificial Intelligence*. Springer, 2011.

[18] Jonathan S. Golan. *The Linear Algebra a Beginning Graduate Student Ought to Know*. Springer, 2004.

[19] I. Goodfellow, Y. Bengio and A. Courville. *Deep Learning*. Adaptive computation and machine learning. MIT Press, 2016.

[20] Pavel Grinfeld. *Introduction to Tensor Analysis and the Calculus of Moving Surfaces*. Springer, 2013.

[21] Trevor Hastie, Robert Tibshirani and Jerome Friedman. *The Elements of Statistical Learning*. Springer Series in Statistics. Springer New York Inc., 2001.

[22] Oliver C. Ibe. *Elements of Random Walk and Diffusion Processes*. John Wiley & Sons, Inc., 2013.

[23] Daphne Koller and Nir Friedman. *Probabilistic Graphical Models : Principles and Techniques*. MIT Press, 2009.

[24] Tie-Yan Liu. *Learning to Rank for Information Retrieval*. Springer, 2011.

[25] David J. C. MacKay. *Information Theory, Inference, and Learning Algorithms*. Copyright Cambridge University Press, 2003. (available online).

[26] Mehryar Mohri, Afshin Rostamizadeh and Ameet Talwalkar. *Foundations of Machine Learning*. MIT Press, second edition, 2018. (available online).

[27] Kevin P. Murphy. *Machine learning : a probabilistic perspective*. MIT Press, Cambridge, Mass., 2013.

[28] Kevin P. Murphy. *Probabilistic Machine Learning : an Introduction*. MIT Press, 2022. (available online).

[29] Bogdan Nica. *A Brief Introduction to Spectral Graph Theory*. EMS Textbooks in Mathematics. European Mathematical Society, 2018. (available online).

[30] Antoine Charles Marcelin Poullet-Delisle. *Recherches Arithmétiques*. Courcier, 1807. (French translation of C. F. Gauss, *Disquisitiones arithmeticae*, 1801 – available online).

[31] Sheldon M. Ross. *A first course in Probability*. Pearson, 2010.

[32] Stuart Russell and Peter Norvig. *Artificial Intelligence : A Modern Approach*. Pearson, 4th edition, 2020. (also in French, 2021).

[33] Hanan Samet. *Foundations of multidimensional and metric data structures*. Morgan Kaufmann series in data management systems. Academic Press, 2006.

[34] Gilbert Strang. *Linear Algebra and Its Applications*. Brooks/Cole, 4th edition, 2005.

[35] Ramon van Handel. Probability in high dimension. APC 550 Lecture Notes – Princeton University (available online), 2016.

[36] Vladimir N. Vapnik. *Statistical Learning Theory*. Wiley-Interscience, 1998.

[37] Vladimir N. Vapnik. *The Nature of Statistical Learning Theory*. Springer-Verlag, Berlin, Heidelberg, 2nd edition, 2000.

[38] Roman Vershynin. *High-Dimensional Probability : An Introduction with Applications in Data Science*. Cambridge Series in Statistical and Probabilistic Mathematics. Cambridge University Press, 2018. (available online).

[39] Martin J. Wainwright. *High-Dimensional Statistics : A Non-Asymptotic Viewpoint*. Cambridge Series in Statistical and Probabilistic Mathematics. Cambridge University Press, 2019.

[40] Larry Wasserman. *All of Statistics : A Concise Course in Statistical Inference*. Springer, 2004.

[41] Larry Wasserman. *All of Nonparametric Statistics*. Springer, 2006.

[42] Gareth Jamesand Daniela Witten, Trevor Hastie and Robert Tibshirani. *An Introduction to Statistical Learning (with applications in R)*. Springer, 2013.

[43] Mohamed J. Zaki and Wagner Meira. *Data Mining and Machine Learning : fundamental concepts and Algorithms*. Cambridge University Press, second edition, 2020. (available online).

[44] Mohammed Zaki and Wagner Meira. *Data Mining and Analysis : Fundamental Concepts and Algorithms*. Cambridge University Press, 2014.

[45] ChengXiang Zhai and Sean Massung. *Text Data Management and Analysis*. Morgan Claypool, 2016.