

BIBLIOGRAPHY

Aroussi, R. (2021). *yfinance - Download market data from Yahoo! Finance's API*. GitHub Repository. <https://github.com/ranaroussi/yfinance>

De Spiegeleer, J., Madan, D.B., Reyners, S., Schoutens, W. (2018). Machine learning for quantitative finance: fast derivative pricing, hedging and fitting. *Quantitative Finance*, 18(10), 1635-1643. <https://doi.org/10.1080/14697688.2018.1495335>.

del Canto, A. B. (2021). *investpy - Financial Data Extraction from Investing.com with Python*. GitHub Repository. <https://github.com/alvarobartt/investpy>

Harris, C. R., Millman, K. J., van der Walt, S. J., Gommers, R., Virtanen, P., Cournapeau, D., Oliphant, T. E. et al. (2020). Array programming with NumPy. *Nature*, 585, 357–362. <https://doi.org/10.1038/s41586-020-2649-2>

Hunter, J. D. (2007). Matplotlib: A 2D graphics environment. *Computing in Science & Engineering*, 9(3), 90–95. <https://doi.org/10.1109/MCSE.2007.55>

Fabozzi, F. J., & Pachamanova, D. A. (2016). *Portfolio Construction and Analytics* (Frank J. Fabozzi Series). John Wiley & Sons, New Jersey.

Fischer, T. & Krauss, C. (2018). Deep learning with long short-term memory networks for financial market predictions. *European Journal of Operational Research*, 270(2) 654-669. <https://doi.org/10.1016/j.ejor.2017.11.054>

Hilpisch, Y. (2020). *Artificial Intelligence in Finance: A Python-Based Guide*. O'Reilly Media, Inc., Sebastopol.

Karim, F., Majumdar, S., Darabi, H. & Harford, S. (2019). Multivariate LSTM-FCNs for time series classification. *Neural Network*, 116, 237-245. <https://doi.org/10.1016/j.neunet.2019.04.014>

León, D., Aragón, A., Sandoval, J., Hernández, G., Arévalo, A., Niño, J. (2017). Clustering algorithms for Risk-Adjusted Portfolio Construction. *Procedia Computer Science*, 108, 1334-1343. <https://doi.org/10.1016/j.procs.2017.05.185>

Lewinson, E. (2020). *Python for Finance Cookbook*. Packt Publishing, Birmingham.

- Lintner, J. (1965). Security prices, risk, and maximal gains from diversification. *The Journal of Finance*, 20(4), 587-615.
- Lopez de Prado, M. (2016). Building Diversified Portfolios that Outperform Out of Sample. *The Journal of Portfolio Management*, 42(4), 59-69.
- Lopez de Prado, M. (2018). *Advances in Financial Machine Learning*. John Wiley & Sons, New Jersey.
- Lopez de Prado, M. (2020). *Machine Learning for Asset Managers* (Elements in Quantitative Finance). Cambridge University Press, Cambridge.
- Markowitz, H. (1952). Portfolio Selection. *The Journal of Finance*, 7(1), 77-91. <https://doi.org/10.2307/2975974>.
- Mattson M. P. (2014). Superior pattern processing is the essence of the evolved human brain. *Frontiers in Neuroscience*, 8(265). <https://doi.org/10.3389/fnins.2014.00265>
- McKinney, W. (2017). *Python for Data Analysis*. O'Reilly Media, Inc., Sebastopol.
- McKinney, W. et al. (2010). Data structures for statistical computing in python. *Proceedings of the 9th Python in Science Conference*, 445, 51–56.
- Michaud, R. (1989). The Markowitz Optimization Enigma: Is 'Optimized' Optimal? *Financial Analyst Journal*, 45(1), 31-42.
- Mossin, J. (1966). Equilibrium in a Capital Asset Market. *Econometrica*, 34(4), 768–783. <https://doi.org/10.2307/1910098>
- Nanda, S.R., Mahanty, B. & Tiwari, M.K. (2010). Clustering Indian stock market data for portfolio management. *Expert Systems with Applications*, 37(12) 8793-8798. <https://doi.org/10.1016/j.eswa.2010.06.026>
- Pedregosa, F., Varoquaux, G., Gramfort, A., et al. (2011). Scikit-learn: Machine Learning in Python. *Journal of Machine Learning Research*, 12, 2825–2830.
- Provost, F. & Fawcett, T. (2013). Data Science and its Relationship to Big Data and Data-Driven Decision Making. *Big Data*, 1(1) 51-59. <http://doi.org/10.1089/big.2013.1508>

Raffinot, T. (2017). Hierarchical Clustering-Based Asset Allocation. *The Journal of Portfolio Management*, 44(2), 89-99.

Rasekhschaffe, K. C. & Jones R. C. (2019). Machine Learning for Stock Selection. *Financial Analysts Journal*, 75(3), 70-88. <https://doi.org/10.1080/0015198X.2019.1596678>

Roy, A. D. (1952). Safety First and the Holding of Assets. *Econometrica*, 20(3), 431-449. <https://doi.org/10.2307/1907413>

Seabold, S., & Perktold, J. (2010). statsmodels: Econometric and Statistical Modelling with Python. *9th Python in Science Conference*.

Sharpe, W. F. (1963) A Simplified Model for Portfolio Analysis. *Management Science*, 9(2), 277-293. Retrieved from: <https://www.jstor.org/stable/2627407>

Sharpe, W. F. (1964). Capital asset prices: A theory of market equilibrium under conditions of risk. *The Journal of Finance*, 19(3), 425-442. <https://doi.org/10.1111/j.1540-6261.1964.tb02865.x>

Shermer, M. (2008). Patternicity: Finding Meaningful Patterns in Meaningless Noise. *Scientific American*. Retrieved on Dec 6, 2020 from <https://www.scientificamerican.com/article/patternicity-finding-meaningful-patterns/>

Siami-Namini, S., Tavakoli, N. & Namin, A.S. (2018). A Comparison of ARIMA and LSTM in Forecasting Time Series. *17th IEEE International Conference on Machine Learning and Applications (ICMLA), Orlando, FL, 2018*, 1394-1401. <https://doi.org/10.1109/ICMLA.2018.00227>.

Tatsat, H., Puri, S. & Lookabaugh, B. (2020). *Machine Learning and Data Science Blueprint for Finance*. O'Reilly Media Inc., Sebastopol.

The Pandas Development Team (2020). pandas-dev/pandas: Pandas (Version latest). doi:10.5281/zenodo.3509134

Virtanen, P., Gommers, R., Oliphant, T. E., Haberland, M., Reddy, T., Cournapeau, D. et al. (2020). SciPy 1.0: Fundamental Algorithms for Scientific Computing in Python. *Nature Methods*, 17, 261-272. <https://doi.org/10.1038/s41592-019-0686-2>

Waskom, M. L. (2021). seaborn: statistical data visualization. *Journal of Open Source Software*, 6(60), 3021. doi:10.21105/joss.03021



Zhai, J., Cao, Y. & Liu, X. (2020). A neural network enhanced volatility component model. *Quantitative Finance*, 20(5), 783-797. <https://doi.org/10.1080/14697688.2019.1711148>.