













- 2021, doi: 10.1016/J.PATTER.2021.100336.
- [8] D. Edelmann, T. F. Móri, and G. J. Székely, “On relationships between the Pearson and the distance correlation coefficients,” *Stat. Probab. Lett.*, vol. 169, p. 108960, Feb. 2021, doi: 10.1016/J.SPL.2020.108960.
- [9] C. P. Kuo and J. S. Fu, “Evaluating the impact of mobility on COVID-19 pandemic with machine learning hybrid predictions,” *Sci. Total Environ.*, vol. 758, p. 144151, Mar. 2021, doi: 10.1016/J.SCITOTENV.2020.144151.
- [10] D. Yacchirema and A. Chura, “SafeMobility: An IoT- based System for safer mobility using machine learning in the age of COVID-19,” *Procedia Comput. Sci.*, vol. 184, pp. 524–531, Jan. 2021, doi: 10.1016/J.PROCS.2021.03.066.
- [11] Z. Kan, M. P. Kwan, D. Liu, L. Tang, Y. Chen, and M. Fang, “Assessing individual activity-related exposures to traffic congestion using GPS trajectory data,” *J. Transp. Geogr.*, vol. 98, p. 103240, Jan. 2022, doi: 10.1016/J.JTRANGE.2021.103240.
- [12] N. Gray, S. Ferson, M. De Angelis, A. Gray, and F. Baumont de Oliveira, “Probability bounds analysis for Python,” *Softw. Impacts*, vol. 12, p. 100246, May 2022, doi: 10.1016/J.SIMPA.2022.100246.
- [13] A. Subasi, *Practical Machine Learning for Data Analysis Using Python*. Academic Press, 2020. doi: 10.1016/B978-0-12-821379-7.00001-1.
- [14] R. G. McClarren, *Getting Started in Python*. Academic Press, 2018. doi: 10.1016/B978-0-12-812253-2.00002-9.
- [15] H. Belyadi and A. Haghighat, *Introduction to machine learning and Python*. Gulf Professional Publishing, 2021. doi: 10.1016/B978-0-12-821929-4.00006-8.
- [16] H. Izadkhah, “An introduction of Python ecosystem for deep learning,” in *Deep Learning in Bioinformatics*, Academic Press, 2022, pp. 31–66. doi: 10.1016/B978-0-12-823822-6.00010-X.
- [17] O. León-Granizo and M. León-Granizo, “Desarrollo de un asistente virtual (chatbot) para mejorar el acceso a la información recurrente por los estudiantes de Instituciones de Educación Superior,” *Ecuadorian Sci. J.*, vol. 4, no. 2, pp. 111–116, 2020.
- [18] L. Cevallos-Torres, M. Botto Tobar, A. Díaz Cadena, and O. León-Granizo, “Decision making in inventory control by using artificial neural networks,” *Sustain. Eng. Innov.*, vol. 4, no. 1, pp. 66–75, 2022, doi: 10.37868/sei.v4i1.id150.
- [19] D. Mechergui and P. Jayakumar, “Efficient generation of accurate mobility maps using machine learning algorithms,” *J. Terramechanics*, vol. 88, pp. 53–63, Apr. 2020, doi: 10.1016/J.JTERRA.2019.12.002.
- [20] V. Papatathanasopoulou, C. Antoniou, and H. N. Koutsopoulos, “Data-Driven Traffic Simulation Models: Mobility Patterns Using Machine Learning Techniques,” *Mobil. Patterns, Big Data Transp. Anal. Tools Appl. Model.*, pp. 263–295, Jan. 2019, doi: 10.1016/B978-0-12-812970-8.00011-7.
- [21] G. Blanc-Pihuave, L. Cevallos-Torres, and J. Arteaga-Vera, “Modelo computacional de clasificación de aprendizaje de máquina supervisado, para el análisis de datos cardiovasculares y pronóstico médico,” *Ecuadorian Sci. J.*, vol. 4, no. 2, pp. 71–79, 2020, doi: 10.46480/esj.4.2.83.
- [22] L. Cevallos-Torres, M. Botto-Tobar, O. León-Granizo, and A. Cortez-Lara, “Application of a Heuristic-Diffuse Model to Support Decision-Making in Assessing the Post-seismic Structural Damage of a Building,” in *Applied Technologies*, 2020, pp. 411–423.
- [23] D. Patiño Perez, R. Silva Bustillos, M. Botto-Tobar, and C. Munive Mora, “Análisis de Imágenes de Rayos X por Medio de Redes Neuronales Artificiales,” *Ecuadorian Sci. J.*, vol. 5, no. 1, pp. 55–60, 2021, doi: 10.46480/esj.5.1.50.