













- [2] M. C. Henao Robayo, M. J. Quiñonez Sánchez, and S. A. Cáceres Pinzón, "Estrategias De Tercerización En Colombia Como Centro De Operaciones Enfocado a Los Call Centers En Barranquilla," Universidad del Rosario, 2013.
- [3] S. Ben-David and S. Shalev-Shwartz, *Understanding Machine Learning: From Theory to Algorithms*. 2014.
- [4] I. Cheng, N. Boyette, and V. Krishna, "Towards a low-cost, high-quality service call architecture," in *Proceedings - 2006 IEEE International Conference on Services Computing, SCC 2006*, 2006.
- [5] B. Legros, O. Jouini, and Y. Dallery, "A flexible architecture for call centers with skill-based routing," *Int. J. Prod. Econ.*, 2015.
- [6] R. Hernandez Sampieri, C. Fernandez Collado, and M. del P. Baptista Lucio, *Metodología de la investigación*. 2010.
- [7] M. A. Saravia Gallardo, "Metodología de investigación científica," *Conacyt*, pp. 1–18, 2006.
- [8] I. Goodfellow, Y. Bengio, and A. Courville, "Machine Learning Basics," *Intell. Sens. Networks Integr. Sens. Networks, Signal Process. Mach. Learn.*, 2012.
- [9] E. Alpaydin, *Introduction to machine learning*. 2014.
- [10] I. H. Witten, E. Frank, and M. a Hall, *Data Mining: Practical Machine Learning Tools and Techniques* (Google eBook). San Francisco: Morgan Kaufmann, 2011.
- [11] V. Iversen, *Teletraffic Engineering and Network Planning*. 2005.
- [12] I. J. Joskowicz, "Teoría e Ingeniería de Teletráfico Introducción Teoría e Ingeniería de Teletráfico." Montevideo, p. 131, 2017.
- [13] B. Schwarz, "Asterisk open-source PBX system," 2004.
- [14] S. Senthil Kumar, B. S. Dhivyalekshmi, S. Preethi, and R. Perumalraja, "PBX implementation in LAN using asterisk open source software," *Int. J. Appl. Eng. Res.*, 2015.
- [15] M. A. Khan and K. M. Shahriar, "ASTERISK Based Open Source IP-PBX System for Accountable Customer Support Service," in *Proceedings - 2015 3rd International Symposium on Computational and Business Intelligence, ISCB 2015*, 2016.
- [16] M. Maar, J. Sitarova, and M. Orgon, "Enterprise network with software Asterisk PBX based on the PLC technology," *Int. J. Adv. Telecommun. Electrotech. Signals Syst.*, 2017.
- [17] V. V Maksimov, N. S. Panasyuk, and S. A. Chmyhun, "Development of interactive voice response models based on IP-PBX Asterisk," in *2013 23rd International Crimean Conference "Microwave & Telecommunication Technology"*, 2013.
- [18] J. B. Plaza, "Implantación de un sistema VoIP basado en Asterisk Director: José María San Agérico," Universidad Politécnica de Valencia, 2009.
- [19] K. Walpole, Ronald; Myers, Raymond; Myers, Sharon; Ye, *Probabilidad y Estadística para Ingenierías y Ciencias*, Novena Edi. Mexico: Pearson, 2012.
- [20] M. Mandjes and A. Ridder, "Large deviations approach to the transient of the Erlang loss model," *Perform. Eval.*, 2001.
- [21] M. D. Logothetis and I. D. Moscholios, "Teletraffic models beyond Erlang," in *10th International Conference, ELEKTRO 2014 - Proceedings*, 2014.
- [22] S. Zhang, D. Yin, Y. Zhang, and W. Zhou, "Computing on Base Station Behavior Using Erlang Measurement and Call Detail Record," *IEEE Trans. Emerg. Top. Comput.*, 2015.
- [23] T. Renier, H.-P. Schwefel, M. Bozinovski, K. Larsen, R. Prasad, and R. Seidl, "Distributed redundancy or cluster solution? An experimental evaluation of two approaches for dependable mobile internet services," in *Lecture Notes in Computer Science*, 2005.
- [24] K. S. Chava and J. Ilow, "Integration of open source and enterprise IP PBXs," in *Proceedings of the 3rd International Conference on Testbeds and Research Infrastructures for the Development of Networks and Communities, TridentCom 2007*, 2007.
- [25] "Asterisk config extensions.conf - VoIP-Info." [Online]. Available: <https://www.voip-info.org/asterisk-config-extensionsconf/>. [Accessed: 29-May-2018].