

## **Regression Models Comparison for Efficiency in Electricity Consumption in Ecuadorian Schools: A Case of Study**

International Conference on Applied Technologies

ICAT 2019: Applied Technologies pp 363-371 | Cite as

- Alejandro Toapanta-Lema (1) (2) Email author (alejandro\_toapanta@hotmail.com)
- Walberto Gallegos (1)
- Jefferson Rubio-Aguilar (1)
- Edilberto Llanes-Cedeño (1)
- Jorge Carrascal-García (2)
- Letty García-López (2)
- Paul D. Rosero-Montalvo (3)

1. Universidad Internacional SEK, , Quito, Ecuador

- 2. Instituto Superior Tecnológico, , Urcuquí, Ecuador
- 3. Universidad Técnica del Norte, , Ibarra, Ecuador

Conference paper First Online: 03 March 2020

• 34 Downloads

Part of the <u>Communications in Computer and Information Science</u> book series (CCIS, volume 1194)

### Abstract

Consumption forecast models with their proper billing allow establishing strategies to avoid overloads in systems and penalties for high consumption. This paper presents a comparison of multivariate data prediction models that allow detecting the final monthly cost of electricity consumption in relation to the different billing parameters. As relevant results, it was obtained that the models based on decision support machines have a better sensitivity when compared with different metrics that evaluate the prediction error with training set improved by backward elimination criteria.

### Keywords

Regression models Electric consume prediction This is a preview of subscription content, <u>log in</u> to check access.

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Cite this paper as:

Toapanta-Lema A. et al. (2020) Regression Models Comparison for Efficiency in Electricity Consumption in Ecuadorian Schools: A Case of Study. In: Botto-Tobar M., Zambrano Vizuete M., Torres-Carrión P., Montes León S., Pizarro Vásquez G., Durakovic B. (eds) Applied Technologies. ICAT 2019. Communications in Computer and Information Science, vol 1194. Springer, Cham

- First Online 03 March 2020
- DOI https://doi.org/10.1007/978-3-030-42520-3\_29
- Publisher Name Springer, Cham
- Print ISBN 978-3-030-42519-7
- Online ISBN 978-3-030-42520-3
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