A nonlinear multiple regression predictive model is built whose main objective is, considering the study variables, the maximization of the level of satisfaction of the users of any wireless infrastructure, taking as the source of the data the values obtained for an emulated architecture SDWN. As future work, the following can be mentioned: in the medium term: implement the SDWN architecture proposed in this document; the predictive model is capable of being improved, increasing its predictive capacity by including a more significant number of variables; the optimization of an SDWN infrastructure as such, analyzing the different existing controllers in the market similar to Zhu *et al* [22], defining policies for quality of service and user experience that are adjusted to technical and institutional goals.

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