

## Rule-based Evolving Systems for Weather Time Series Prediction

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**Abstract:** *This work considers evolving intelligent methods for weather time series prediction. We evaluate the methods evolving Takagi-Sugeno (eTS), eXtended Takagi-Sugeno (xTS), Dynamic Evolving Neural Fuzzy Inference System (DENFIS), Fuzzy-Set Based evolving Modeling (FBeM), and a variation of cloud-based intelligent method known as typicality-and-eccentricity-based method for data analysis (TEDA).*

**Keywords:** Machine Learning; Data Clouds; Evolving Intelligent Systems; Weather Time Series Prediction. Online Data Stream.

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