

Machine Learning techniques to improve ensemble weather forecast

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An accurate weather prediction can impact positively in several aspects of society, from minimizing financial losses to saving lives. Currently, the state of art of weather prediction is based on computer programs that model natural phenomena using numerical values to represent its state. It can be improved with some different approaches, one of them is using Machine Learning techniques to figure out patterns and trends in order to have a better representation of the initial conditions and use them as input for processing the dynamics, thus getting a better weather forecast.