

pscmsForecasting: A Python Web Service for Time Series Forecasting

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Abstract : pscmsForecasting is an open-source web service that implements a variety of time series forecasting algorithms and exposes them to the user via the ubiquitous HTTP protocol. It allows developers to enhance their applications by adding time series forecasting functionalities through an intuitive and easy-to-use interface. This paper provides some background on time series forecasting and gives details about the implemented algorithms, aiming to enhance the end user's understanding of the underlying methods before incorporating them into their applications. A detailed description of the web service's interface and its various parameterizations is also provided. Being an open-source project, pcsmsForecasting can also be easily modified and tailored to the specific needs of each application.

Keywords : time series, forecasting, web service, open source

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