

Forecasting With Exponential Smoothing The State Space Approach Springer Series In Statistics By Hyndman Rob Koehler Anne B Ord J Keith Snyder Ralph 2008 Paperback

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6.4.3.2. Forecasting with Single Exponential Smoothing

The average age of the data in the simple-exponential-smoothing forecast is $1/\alpha$ relative to the period for which the forecast is computed. (This is not supposed to be obvious, but it can easily be shown by evaluating an infinite series.) Hence, the simple moving average forecast tends to lag behind turning points by about $1/\alpha$

Moving average and exponential smoothing models

7.1 Simple exponential smoothing. The simplest of the exponentially smoothing methods is naturally called simple exponential smoothing (SES) 13. This method is suitable for forecasting data with no clear trend or seasonal pattern. For example, the data in Figure 7.1 do not display any clear trending behaviour or any seasonality. (There is a ...

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Exponential Smoothing Explained

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Exponential Smoothing a time series forecasting technique using weights that decrease exponentially for each past period. What is the most used of all forecasting techniques

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Exponential smoothing is a rule of thumb technique for smoothing time series data using the exponential window function. Whereas in the simple moving average the past observations are weighted equally, exponential functions are used to assign exponentially decreasing weights over time.

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