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A note on the forecast performance of temporal aggregation. (English) Zbl 1411.91447

Nav. Res. Logist. 61, No. 7, 489-500 (2014).

Summary: Earlier research on the effects of nonoverlapping temporal aggregation on demand forecasting showed the benefits associated with such an approach under a stationary AR(1) or MA(1) processes for decision making conducted at the disaggregate level. The first objective of this note is to extend those important results by considering a more general underlying demand process. The second objective is to assess the conditions under which aggregation may be a preferable approach for improving decision making at the aggregate level as well. We confirm the validity of previous results under more general conditions, and we show the increased benefit resulting from forecasting by temporal aggregation at lower frequency time units.

MSC:

91B84 Economic time series analysis

62M20 Inference from stochastic processes and prediction

91B42 Consumer behavior, demand theory

Cited in 1 Document

Keywords:

demand forecasting; temporal aggregation; stationary processes; single exponential smoothing

Full Text: [DOI](#)