

Access Free Economic Model
For Fuzzy Weibull Distribution

Economic Model For Fuzzy Weibull Distribution

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Economic Model For Fuzzy Weibull

The fuzzy concepts are applied for
analysis of the Weibull Distribution. The
goal of this article is to construct the
economic model was combining Fuzzy

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Weibull Distribution with Integrated
model...

(PDF) Charongrattanasakul Economic model for fuzzy Weibull ...

A fuzzy inventory model for Weibull
deteriorating items under completely
backlogged shortages <p style='text-
indent:20px;'>In this paper, a fuzzy

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stock replenishment policy implemented for inventory items that follows linear demand and Weibull deterioration under completely backlogged shortages.

A fuzzy inventory model for Weibull deteriorating items ...

This paper discusses an Economic Production Quantity model for Weibull

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deteriorating items over an infinite time horizon under fuzzy environment.

Fuzziness is introduced by allowing the cost components such as setup cost, production cost, holding cost, shortage cost and opportunity cost due to lost sales to certain extent.

Fuzzy Economic Production Quantity

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Model for Weibull ...

Uthayakumar and Valliathal developed an economic production model for Weibull deteriorating items over an infinite horizon under fuzzy environment and considered some cost component as triangular fuzzy numbers and using the signed distance method to defuzzify the cost function.

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An EOQ Model for Weibull Deteriorating Items with Linear ...

The economic model proposed for the design of the MEWMA chart assumes a Markovian process failure mechanism following an exponential distribution. We assess the sensitivity of the resulting economic design for the MEWMA to

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deviations from this assumption. ... T1 -
A weibull process failure mechanism for
the economic design of MEWMA control

...

A weibull process failure mechanism for the economic ...

In this paper a fuzzy inventory model
involving items deteriorating in a Weibull

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pattern with power demand, shortages, and partially backlogging is developed and analysed. Holding cost is taken as a linear function of time and the salvage value of the deteriorated items is considered.

FUZZY INVENTORY MODEL FOR ITEMS WITH WEIBULL DISTRIBUTION

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...

Neuro-Fuzzy networks of Weibull type
We approached a model based on
Weibull type neural fuzzy networks. We
modeled the functional unit of supply,
UF-Supply, through a neural fuzzy
network. Neural network scheme is
shown in Figure 4.

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A Fuzzy Weibull model with application in stocks ...

Next year, Uthayakumar and Valliathal developed an economic production model for weibull deteriorating items over an infinite horizon under a fuzzy environment and also introduced some cost component as triangular fuzzy numbers. In their devised model, signed

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distance method is used to defuzzify the cost function.

A Fuzzy EOQ Model with Allowable Shortage under Different ...

Spare Parts Cost Management for Long-Term Economic Sustainability: Using Fuzzy Activity Based LCC ... and Weibull functions to incorporate the projected

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equipment reliability into the model ...

(PDF) Spare Parts Cost Management for Long-Term Economic ...

where $t \geq 0$ represents time, $\beta > 0$ is the shape or slope parameter, and $\eta > 0$ is the scale parameter of the distribution.

Eq. (6.38) is usually referred to as the two-parameter Weibull distribution. The

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slope of the Weibull distribution, β , is very important, as it determines which member of the family of Weibull failure distributions best fits or describes the data.

Weibull Probability Distribution - an overview ...

An EPQ Model with Two-Component

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Demand under Fuzzy Environment and Weibull Distribution Deterioration with Shortages A single-item economic production model is developed in which inventory is depleted not only due to demand but also by deterioration.

An EPQ Model with Two-Component Demand under Fuzzy ...

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The fuzzy model is defuzzified by using the extension principle. The solutions for maximizing the fuzzy profit functions have been derived by using the techniques of H. J. Zimmerman and A. Kaufmann and M. M. Gupta. The approximate optimal solutions for the model have been obtained by a numerical example.

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Fuzzy Eoq Model for Time- Dependent Deteriorating Items And

...

In this paper, an inventory model with time-dependent demand studied under two different deterioration rates: (a) time-dependent (Weibull) deterioration rate and (b) fuzzy deterioration rate. The

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items are not deteriorating as soon as they received to the inventory but they start to deteriorate after a specified interval.

A New Mathematical Inventory Model with Stochastic and ...

Economic Models and Math. Economists use models as the primary tool for

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explaining or making predictions about economic issues and problems. For example, an economist might try to explain what caused the Great Recession in 2008, or she might try to predict how a personal income tax cut would affect automobile purchases.

Economic Models | Microeconomics

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In this study, we proposed integrated tools to evaluate the wind power potential, economic viability, and prioritize 15 proposed sites for the installation of wind farms. Initially, we used modified Weibull distribution model coupled with power law to assess the wind power potential. Secondly, we employed value cost method to estimate

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per unit cost (\$/kWh) of proposed sites.

Economic assessment and ranking of wind power potential ...

In this paper, we derive an economic production model having two-parameter Weibull distribution deterioration. In this model, we considered a demand rate that depends on price stock and

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indirectly on time. Shortage is allowed and partially backlogged. We assume that customer return is a factor of quantity sold, price, and inventory level.

A Production Model with Stock-Dependent Demand, Partial ...

Pal, et. al (2015) considered a production inventory model for

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deteriorating items with ramp type demand rate where deterioration rate was represented by a two-parameter Weibull distribution and solved under fuzzy environment to evaluate the optimum solution of the model.

Inventory Model with Price Related Demand, Weibull ...

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In the present work, we developed a fuzzy deterministic inventory model for non-instantaneous deteriorating items with exponential demand pattern proposed which the deterioration is a Weibull two parameter distribution and holding cost is expressed as linearly increasing function of time. Shortages are allowed and partially backlogged.

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A Fuzzy Inventory Model having Exponential Demand with ...

, A hesitant fuzzy linguistic multi-granularity decision making model based on distance measure, Journal of Intelligent & Fuzzy Systems 28(2) (2015), 983–990. [41] Zhou H. , Wang J.Q. and Zhang H.Y. , Multi-criteria

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decision-making approaches based on distance measures for linguistic hesitant fuzzy sets, Journal of the Operational Research ...

Computational method for monotonic hesitant fuzzy ...

The fuzzy model is defuzzi d by using   -cut of fuzzy number. This multiobjective

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problem is solved by Global Criteria method with the help of GRG Generalized Reduced Gradient technique, and it is illustrated with the help of numerical example. 2.

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