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### Probability Statistics Reliability For Engineers

Richard Johnson is the co-author of seven statistics texts and monographs, including Probability and Statistics for Engineers and Applied Multivariate Statistical Analysis. He was the founding editor of Statistics and Probability Letters and served as editor for 25 years. Besides many years of experience in teaching all levels of statistics courses at the University of Wisconsin, he has ...

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alytical tools in statistics is enhanced with the use of calculus when discussion centers on rules and concepts in probability. Probability distributions and sta-tistical inference are highlighted in Chapters 2 through 10. Linear algebra and matrices are very lightly applied in Chapters 11 through 15, where linear regres-

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### **Statistics**

The equivalent reliability specification can be stated as the reliability is 90% or the probability of failure is 10% at one million miles. An engine system reliability model can be built using the probability distribution equation with time as the random variable.

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A discussion of the basic reliability concepts and models, Reliability Models for Engineers and Scientists demystifies modern mathematical reliability models. Requiring very little mathematical background on the reader's part, this concise book introduces the models by focusing on their physical meaning and the supporting data; it then goes on to provide a wide scope of possible applications ...

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