# A Primer of Signal Detection Theory

# D. McNicol

With a New Foreword by Brian C. J. Moore

# **A Primer Of Signal Detection Theory**

# **D. MacNicol**

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the subject Detection Theory Neil A. Macmillan,C. Douglas Creelman,1991-01-25 Signal Detection Theory and

ROC-analysis James P. Egan,1975 An Introduction to the Psychology of Hearing Brian C. J. Moore,2012 This sixth
edition has been thoroughly updated with more than 200 references to articles books published since 1996 The book
describes the relationships between the characteristics of the sounds that enter the ear the sensations that they produce

A Handbook for Data Analysis in the Behaviorial Sciences Gideon Keren, Charles Lewis, 2014-01-14 Statistical methodology is often conceived by social scientists in a technical manner they use it for support rather than for illumination This two volume set attempts to provide some partial remedy to the problems that have led to this state of affairs Both traditional issues such as analysis of variance and the general linear model as well as more novel methods like exploratory data analysis are included The editors aim to provide an updated survey on different aspects of empirical research and data analysis facilitate the understanding of the internal logic underlying different methods and provide novel and broader perspectives beyond what is usually covered in traditional curricula Neuropsychology and Cognition - Volumes I & II Rattihalli N. Malatesha, Lawrence C. Hartlage, 1988-01-14 Proceedings of the NATO Advanced Study Institute Augusta Georgia September 8 18 1980 **Human Factors in the U.S. Railroad Industry** Thomas G. Raslear, 2025-03-13 At the heart of the U S Railroad Industry are human operators who continue to make it work and operate However humans are susceptible to error fatigue and risky behaviors Understanding how these impact the safety of the industry remains a crucial topic to be studied Human Factors in the U S Railroad Industry investigates the human factor behind one of the world s biggest railway networks and synthesizes the body of research that has been produced by the Federal Railroad Administration FRA on Human Factors in the Railroad industry since 1993 During that time over 120 FRA reports were published on topics such as accident analysis grade crossing safety and trespassing working conditions and ergonomics employee fatigue safety culture and track inspection This book organizes this body of work into topic areas that correspond to Moray s Sociotechnical System 2006 to provide a comprehensive way to understand the relationship between policy organizational culture and system safety It discusses tools such as risk exposure signal detection theory and program evaluation that have been applied to railroad projects and can be used to improve future railroad and transportation research It provides a synthesis of the reports across topic areas such as fatigue ergonomics and safety culture that are currently important within the wider human factors transportation research community The reader will develop an understanding of a human centered systems approach to the railroad industry which focuses on human capabilities and limitations with respect to human system interfaces operations system integration and organizational influences on safety Human Factors in the U S Railroad Industry will appeal to researchers academics students and professionals interested in human factors railway engineering civil engineering and industrial engineering

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