

primer of signal detection pdf

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right of the noise distribution. The distance between the signal and the noise distributions corresponds to the effect of the signal (thisisthequantitythatisaddedtothenoisedistributioninorder to get the signal distribution): this distance is called d^2 . Because the mean of the noise distribution is zero, d^2 is equal to the mean ofthesignaldistribution.

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SIGNAL DETECTION THEORY: ENABLING WORK NEAR THE EDGE

C. Signal Detection Theory A widely accepted alternative to the high threshold model was developed in the 1950s and is called signal detection theory (Harvey, 1992).

Detection Theory: Sensory and Decision Processes

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SIGNAL DETECTION AND GENERALIZED LINEAR MODELS 187 ~--- d ----- C Figure 1. Signal detection theory with logistic underlying distributions and a binary response. an event, such as a signal or noise, can be represented by an underlying probability distribution, such as the logistic distributions shown in the figure.

Signal Detection Theory and Generalized Linear Models

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