

Resource Summary Report

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Signal Detection Software for Receiver Operator Characteristics

RRID:SCR_008752

Type: Tool

Proper Citation

Signal Detection Software for Receiver Operator Characteristics (RRID:SCR_008752)

Resource Information

URL: <http://www.stanford.edu/~yesavage/ROC.html>

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Description: Software program designed to help the average clinician/researcher with a PC to evaluate clinical databases and discover the characteristics of patients, including genetics that best predict a binary outcome. That outcome may be any binary outcome such as: * Whether or not the patient has a certain disorder (medical test evaluation) * Whether or not the patient is likely to develop a certain disorder (risk factor evaluation) * Whether or not the patient is likely to respond to a certain treatment (evaluation of treatment moderators) When the predictors considered are themselves all binary (e.g., male/female; inpatient/outpatient; symptoms present/absent), the program identifies the optimal predictor. When one or more of the predictors are ordinal (e.g., age, severity of symptoms) it identifies the optimal cutpoint for each or the ordinal predictors, as well as the overall optimal predictor.

Abbreviations: Signal Detection Software for ROC

Resource Type: software resource

Keywords: signal detection, signal, clinician, researcher, prediction, binary outcome, evaluation, medical test, risk factor, treatment

Related Condition: Aging

Resource Name: Signal Detection Software for Receiver Operator Characteristics

Resource ID: SCR_008752

Alternate IDs: nlx_143946

Record Creation Time: 20220129T080249+0000

Record Last Update: 20260905T132627+0000

Ratings and Alerts

No rating or validation information has been found for Signal Detection Software for Receiver Operator Characteristics.

No alerts have been found for Signal Detection Software for Receiver Operator Characteristics.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at [Kravitz](#) .

Nowrangi MA, et al. (2025) Influence of cognitive, neuropsychiatric, and diagnostic factors on financial capacity: A longitudinal analysis of the ADNI cohort. *Alzheimer's & dementia* (Amsterdam, Netherlands), 17(1), e12583.

Gabriel D, et al. (2017) Predictors of treatment response and drop out in the Treatment of Early-Onset Schizophrenia Spectrum Disorders (TEOSS) study. *Psychiatry research*, 255, 248.

Main KL, et al. (2017) DTI measures identify mild and moderate TBI cases among patients with complex health problems: A receiver operating characteristic analysis of U.S. veterans. *NeuroImage. Clinical*, 16, 1.

Yokoyama JS, et al. (2015) Decision tree analysis of genetic risk for clinically heterogeneous Alzheimer's disease. *BMC neurology*, 15, 47.

Thanassi W, et al. (2012) Delineating a Retesting Zone Using Receiver Operating Characteristic Analysis on Serial QuantiFERON Tuberculosis Test Results in US Healthcare Workers. *Pulmonary medicine*, 2012, 291294.