

Quantative Yses Of Behavior Discrimination Processes

Presenting the work of researchers

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who are at the forefront of the study of memory mechanisms, this volume addresses a wide range of topics including: physiological and biophysical studies of synaptic plasticity, neural models of information storage and recall,

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functional and structural considerations of amnesia in brain-damaged patients, and behavioral studies of animal cognition and memory. The book's coverage of diverse approaches to memory mechanisms is intended to help

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dissolve the borders between behavioral psychology, cognitive neuropsychology, and neurophysiology.

Drug discrimination: a practical guide to its contributions to the invention of new chemical entities

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and evaluations of new or known pharmacological agents Drug discrimination can be described as a "drug detection" procedure that uses a pharmacologically active agent as the subjective stimulus. Although the procedure does require some effort

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to implement, it can be an extremely important tool for understanding drug action. Whereas medicinal chemists should come to learn the types of information that drug discrimination studies can offer, pharmacologists and psychologists

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might come to realize how medicinal chemists can apply the types of information that the paradigm routinely provides. Drug Discrimination: Applications to Medicinal Chemistry and Drug Studies provides in-depth analyses of

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the nature and use of drugs as discriminative stimuli and bridges some of the numerous gaps between medicinal chemistry, pharmacology, and psychology. Stressing the practical aspects of drug discrimination, including types of

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procedures, study design, data, and interpretation, the book details the advantages and limitations of drug discrimination studies versus other pharmacologic evaluations. Practical information from leading researchers in the field addresses

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specific topics and techniques that are of interest in drug discovery, evaluation, and development. A groundbreaking new guide to the applications of drug discrimination studies for medicinal chemistry and neuroscience, **Drug Discrimination**

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is essential for any scientist, researcher, or student whose interests involve the design, development, and/or action of drugs acting at the level of the central nervous system.

Through analysis of the unfair use of

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academic grouping techniques to discriminate against American Indian students, this work shows how political power is the key to educational opportunity for these students.

Presents an animal-based, largely

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non-symbolic approach to understanding the basic mechanisms involved in adaptive intelligence. Contributions discuss and explain concepts and techniques, providing a balance of both theoretical and empirical approaches.

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Behavioral Approaches to Pattern
Recognition and Concept
Formation
Handbook of Psychology and Law
Proceedings of a Royal Society
Discussion Meeting Held on 6 and 7
June 1984

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Understanding the Biological Basis
of Behavior
Cognitive Aspects of Stimulus
Control
Proceedings of the 58th Annual
Scientific Meeting
Climate, Culture, and

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Consequences in Academic Sciences, Engineering, and Medicine

Despite several decades of attention, there is still no consensus on the effects of racial or sexual discrimination in the United States. In

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this landmark work, the well-known sociologist Samuel Lucas shows how discrimination is not simply an action that one person performs in relation to another individual, but something far more insidious: a pervasive dynamic that permeates the environment in which we live and work. Challenging

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existing literature on the subject, Lucas makes a clear distinction between prejudice and discrimination. He maintains that when an era of “condoned exploitation” ended, the era of “contested prejudice,” as he terms it, began. He argues that the great strides made in the 1950s and

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1960s repudiated prejudice, but not discrimination. Drawing on critical race theory, feminist theory, and a critique of dominant perspectives in the social sciences and law, Lucas offers a new understanding of racial and sexual discrimination that can guide our actions and laws into a more just

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future.

PSYCHOLOGY: CONCEPTS AND APPLICATIONS, Fourth Edition, offers a concept-based approach supported by a unique pedagogical framework. Author Jeff Nevid provides a broad view of psychology that includes history, major theories, research

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methods, and important research findings as well as applications of contemporary research to the problems and challenges faced in everyday life. Nevid developed the effective teaching devices in this text based on a comprehensive system derived from research on learning and

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memory as well as his own research on textbook pedagogy. The text's successful modular format organizes each chapter into manageable instructional units that help students focus on one topic at a time within the context of a larger chapter structure. The material also incorporates four

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goals that Nevid refers to as the Four E's of Effective Learning: Engaging Student Interest, Encoding Information, Elaborating Meaning, and Evaluating Progress. In the Fourth Edition, Nevid employs a new IDEA Model of Course Assessment--unique to this text--which maps specific

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learning goals (tied to APA goals) to measurable skills students acquire in their first exposure to psychology. Executed throughout each chapter, the model presents learning objectives that are expressed in the form of active learning verbs, and linked to measurable learning outcomes. The

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model is integrated with the test-item file, making it easy for instructors to select items measuring these particular outcomes. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Animal researchers commonly present pictures to their subjects, usually birds or monkeys, in order to infer how natural objects are perceived and conceptualised, or to discover the brain mechanisms underlying these abilities. This unique book questions the premise of this experimental

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approach and asks whether or not pictures can be considered as ecologically valid and realistic stimuli for animals. Leading researchers in comparative psychology and neuroscience address such questions as: "Can animals recognise objects of scenes in pictures despite variations in

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viewpoints?; "How do animals perceive faces?" and "Is there an equivalence, in animals' minds, between pictures and the objects they represent?". The result is an authoritative and cutting-edge survey of current knowledge in the field, which underlines the advantages, limits and

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risks of using pictures to infer cognitive abilities or brain mechanisms in animal studies. *Picture Perception in Animals* will be essential reading for comparative psychologists, anthropologists, and neuroscientists working in picture perception.

"I wholeheartedly invite counselor

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trainees and counselors into this journey of growing the research component of their professional identity... Flynn and his colleagues prepare counselor trainees and counselors for this journey well and guide them carefully toward researcher competency. In an

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approachable and developmentally appropriate manner, they highlight for the profession the value of research and how it can be conducted." - Danica G. Hays, PhD American Counseling Fellow Professor and Executive Associate Dean University of Nevada, Las Vegas Research

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Design for the Behavioral Sciences fills an important gap for the helping professions by offering a blueprint for advanced concepts and an applied approach to understanding quantitative, qualitative, and mixed methods research design. This graduate-level text seamlessly weaves

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together the philosophy, science, and practical application of the most common methodological frameworks in practice. Advanced research design concepts are presented through clear and in-depth blueprints, applied case studies, myriad examples, and helpful learning activities. Written in detailed

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yet accessible language, this text describes the foundations of behavioral science research. The authors explore research-based philosophical integration, along with the technical application of every tradition. Through this philosophical and pragmatic approach, students will

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be able to attain a well-rounded and comprehensive understanding of behavioral science research. This text provides students with the opportunity to reach a greater level of research efficacy through the inclusion of methodological procedures, data analysis methods, reliability/validity

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standards, ethics, and directions on how to increase the rigor of each approach to research. Instructor resources include an instructor's manual, learning activities, test bank, and PowerPoints. Purchase includes digital access for use on most mobile devices and computers. Key Features:

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Provides clear, detailed, and contextually accurate examples of writing, quantitative, qualitative, and mixed methods procedures Reviews the paradigmatic hierarchy of each research tradition along with key analytic features in detail Delivers instructions for enhancing the

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methodological rigor of each approach
Analyzes methodology-specific
multicultural issues Demonstrates the
application of a wide range of research
methodologies with case studies
Reviews the trends and history in
research for counseling, psychology,
social work, and marriage and family

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therapy Offers comprehensive
instructor resources including manual,
learning activities, test bank, and
PowerPoint slides
Methods of Assessing the Reinforcing
Properties of Abused Drugs
Learning As Self-organization
Specialty Competencies in

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Organizational and Business
Consulting Psychology
Managing Urban and High-use
Recreation Settings
The Origins of Prejudice
Sexual Harassment of Women
The Behavioral Foundations of Public
Policy

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Many racial and ethnic groups in the United States, including blacks, Hispanics, Asians, American Indians, and others, have historically faced severe discrimination — pervasive and open denial of civil, social, political, educational, and economic opportunities. Today, large differences among racial and ethnic groups

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continue to exist in employment, income and wealth, housing, education, criminal justice, health, and other areas. While many factors may contribute to such differences, their size and extent suggest that various forms of discriminatory treatment persist in U.S. society and serve to undercut the achievement of equal opportunity.

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Measuring Racial Discrimination considers the definition of race and racial discrimination, reviews the existing techniques used to measure racial discrimination, and identifies new tools and areas for future research. The book conducts a thorough evaluation of current methodologies for a wide range of

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circumstances in which racial discrimination may occur, and makes recommendations on how to better assess the presence and effects of discrimination.

Methods of Assessing the Reinforcing Properties of Abused Drugs presents a synopsis of the preclinical procedures used to assess drug reinforcement. Researchers

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using one technique are provided with an overview of the other available methods, and clinicians who wish to evaluate drug abuse research reports can gain the necessary background from this volume. Although emphasis is placed on the methodological aspects of assessing drug reinforcement, some of the scientific conclusions derived

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from using these techniques are also presented. This edited collection offers a lasting framework for interpreting the results of current experimental findings.

Reflects the recent convergence of different approaches to the subject, using newly developed techniques.

Over the last few decades, research, activity,

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and funding has been devoted to improving the recruitment, retention, and advancement of women in the fields of science, engineering, and medicine. In recent years the diversity of those participating in these fields, particularly the participation of women, has improved and there are significantly more women entering

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careers and studying science, engineering, and medicine than ever before. However, as women increasingly enter these fields they face biases and barriers and it is not surprising that sexual harassment is one of these barriers. Over thirty years the incidence of sexual harassment in different industries has held steady, yet now more

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women are in the workforce and in academia, and in the fields of science, engineering, and medicine (as students and faculty) and so more women are experiencing sexual harassment as they work and learn. Over the last several years, revelations of the sexual harassment experienced by women in the workplace

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and in academic settings have raised urgent questions about the specific impact of this discriminatory behavior on women and the extent to which it is limiting their careers. Sexual Harassment of Women explores the influence of sexual harassment in academia on the career advancement of women in the scientific, technical, and medical workforce.

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This report reviews the research on the extent to which women in the fields of science, engineering, and medicine are victimized by sexual harassment and examines the existing information on the extent to which sexual harassment in academia negatively impacts the recruitment, retention, and advancement of

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women pursuing scientific, engineering, technical, and medical careers. It also identifies and analyzes the policies, strategies and practices that have been the most successful in preventing and addressing sexual harassment in these settings.

Peer Prejudice and Discrimination
Problems of Drug Dependence 1996

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Developing Evidence-Based Interventions
for Clinical, Counseling and School
Psychologists
Incidence, Explanation, and Mitigating
Strategies
Picture Perception in Animals
Comparative Approaches to Cognitive
Science

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The Politics of Second Generation Discrimination in American Indian Education

Estimates indicate that as many as 1 in 4 Americans will experience a mental health problem or will misuse alcohol or drugs in their lifetimes. These

disorders are among the most highly stigmatized health conditions in the United States, and they remain barriers to full participation in society in areas as basic as education, housing, and employment. Improving the lives of people with mental health and

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substance abuse disorders has been a priority in the United States for more than 50 years. The Community Mental Health Act of 1963 is considered a major turning point in America's efforts to improve behavioral healthcare. It ushered in an era of

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optimism and hope and laid the groundwork for the consumer movement and new models of recovery. The consumer movement gave voice to people with mental and substance use disorders and brought their perspectives and experience into

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national discussions about mental health. However over the same 50-year period, positive change in American public attitudes and beliefs about mental and substance use disorders has lagged behind these advances. Stigma is a complex social phenomenon based

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on a relationship between an attribute and a stereotype that assigns undesirable labels, qualities, and behaviors to a person with that attribute. Labeled individuals are then socially devalued, which leads to inequality and discrimination. This

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report contributes to national efforts to understand and change attitudes, beliefs and behaviors that can lead to stigma and discrimination. Changing stigma in a lasting way will require coordinated efforts, which are based on the best possible evidence, supported at

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the national level with multiyear funding, and planned and implemented by an effective coalition of representative stakeholders. Ending Discrimination Against People with Mental and Substance Use Disorders: The Evidence for Stigma Change

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explores stigma and discrimination faced by individuals with mental or substance use disorders and recommends effective strategies for reducing stigma and encouraging people to seek treatment and other supportive services. It offers a set of

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conclusions and recommendations about successful stigma change strategies and the research needed to inform and evaluate these efforts in the United States.

Vast amounts of data are nowadays collected, stored and processed, in an

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effort to assist in making a variety of administrative and governmental decisions. These innovative steps considerably improve the speed, effectiveness and quality of decisions. Analyses are increasingly performed by data mining and profiling

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technologies that statistically and automatically determine patterns and trends. However, when such practices lead to unwanted or unjustified selections, they may result in unacceptable forms of discrimination. Processing vast amounts of data may

lead to situations in which data controllers know many of the characteristics, behaviors and whereabouts of people. In some cases, analysts might know more about individuals than these individuals know about themselves. Judging people by

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their digital identities sheds a different light on our views of privacy and data protection. This book discusses discrimination and privacy issues related to data mining and profiling practices. It provides technological and regulatory solutions, to problems which

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arise in these innovative contexts. The book explains that common measures for mitigating privacy and discrimination, such as access controls and anonymity, fail to properly resolve privacy and discrimination concerns. Therefore, new solutions, focusing on

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technology design, transparency and accountability are called for and set forth.

A year before his death, B.F. Skinner wrote that "There are two unavoidable gaps in any behavioral account: one between the stimulating action of the

environment and the response of the organism and one between consequences and the resulting change in behavior. Only brain science can fill those gaps. In doing so, it completes the account; it does not give a different account of the same thing." This

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declaration ended the epoch of radical behaviorism to the extent that it was based on the doctrine of the "empty organism," the doctrine that a behavioral science must be constructed purely on its own level of investigation. However, Skinner was not completely

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correct in his assessment. Brain science on its own can no more fill the gaps than can single level behavioral science. It is the relation between data and formulations developed in the brain and the behavioral sciences that is needed. This volume is the result of

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The Fourth Appalachian Conference on Behavioral Neurodynamics, the first three of which were aimed at filling Skinner's first gap. Taking the series in a new direction, the aim of the fourth and subsequent conferences is to explore the second of the gaps in the

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behavioral account noted by Skinner. The aim of this conference was to explore the aphorism: The motivation for learning is self organization. In keeping with this aim and in the spirit of previous events, this conference's mission was to acquaint scientists

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working in one discipline with the work going on in other disciplines that is relevant to both. As a result, it brought together those who are making advances on the behavioral level -- mainly working in the tradition of operant conditioning -- and those

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working with brains -- mainly
amygdala, hippocampus, and far
frontal cortex.

Includes bibliographical references and
index.

Signal Detection

Discrimination in the United States

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Quantitative Analyses of Behavior,
Volume VIII
A Compilation of Theory-based
Psychological Research as a Graduate
Student
Psychology: Concepts and
Applications

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Research Awards Index

Memory Mechanisms

Learning and Memory: A
Comprehensive Reference, Second
Edition is the authoritative
resource for scientists and
students interested in all facets of
learning and memory. This

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updated edition includes chapters that reflect the state-of-the-art of research in this area. Coverage of sleep and memory has been significantly expanded, while neuromodulators in memory processing, neurogenesis and epigenetics are also covered in

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greater detail. New chapters have been included to reflect the massive increase in research into working memory and the educational relevance of memory research. No other reference work covers so wide a territory and in so much depth. Provides the most

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comprehensive and authoritative resource available on the study of learning and memory and its mechanisms Incorporates the expertise of over 150 outstanding investigators in the field, providing a ' one-stop ' resource of reputable information from world-leading

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scholars with easy cross-referencing of related articles to promote understanding and further research Includes further reading for each chapter that helps readers continue their research Includes a glossary of key terms that is helpful for users who are

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unfamiliar with neuroscience
terminology

This volume is based on the 10th
annual Harvard Symposium for the
Quantitative Analysis of Behavior.
The first Harvard Symposium was
devoted to signal-detection
analyses of reinforcement and

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choice behavior. The present volume reprises the original signal- detection theme, incorporating additional insights based on experimental and theoretical analyses undertaken during the years separating the two conferences. This collection

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illustrates how signal-detection theory, first advanced to account for performance in threshold-level sensory discrimination, has broadened to encompass a variety of psychological problems involving discriminations between confusable stimuli. The approach

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is quantitative in its emphasis on estimation of independent parameters of the discrimination process, and analytical in its efforts to separate the determiners of discriminability and bias and to identify the mechanisms of their operation. Above all, the book is

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broadly integrative in its approach to diverse problems. This volume is based on the 10th annual Harvard Symposium for the Quantitative Analysis of Behavior. The first Harvard Symposium was devoted to signal-detection analyses of reinforcement and

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choice behavior. The present volume reprises the original signal- detection theme, incorporating additional insights based on experimental and theoretical analyses undertaken during the years separating the two conferences.

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Volume eight in this highly acclaimed series discusses the behavioral approaches to pattern recognition and concept formation in two sections: categories and concepts in birds, and shape and form. An ideal reference for students and professionals in

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experimental psychology and behavioral analysis.

Originally termed "Industrial-Organizational Psychology (I/O)," practitioners of this specialty emanate from varying backgrounds in business-psychology related fields. Although it was one of the

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"original four" specialties of the American Board of Professional Psychology established in 1947, the domain of contemporary I/O professional practice can best be thought of as a "hybrid" across multiple traditions. For this volume in the series, Jay Thomas

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describes this particular hybrid model. The original board reflecting the specialty of I/O psychology (i.e., the American Board of Industrial and Organizational Psychology) within the greater organization of the American Board of Professional

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Psychology (which at the time of this writing encompasses 13 differing specialty boards in professional psychology), reconstituted itself in 2005 to be the "American Board of Organizational and Business Consulting (OBC) Psychology."

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This name change was made in order to best capture the notion that specialists in this area can be educated and trained (and practice) in related, but somewhat differing traditions. Readers interested in this specialty area within psychology will find this

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text invaluable as the most current description of the competencies thought important to help define the OBC psychologist. Series in Specialty Competencies in Professional Psychology Series Editors Arthur M. Nezu and Christine Maguth Nezu As the field

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of psychology continues to grow and new specialty areas emerge and achieve recognition, it has become increasingly important to define the standards of professional specialty practice. Developed and conceived in response to this need for practical

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guidelines, this series presents methods, strategies, and techniques for conducting day-to-day practice in any given psychology specialty. The topical volumes address best practices across the functional and foundational competencies that

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characterize the various psychology specialties, including clinical psychology, cognitive and behavioral psychology, school psychology, geropsychology, forensic psychology, clinical neuropsychology, couples and family psychology, and more.

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Functional competencies include common practice activities like assessment and intervention, while foundational competencies represent core knowledge areas such as ethical and legal issues, cultural diversity, and professional identification. In addition to

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describing these competencies, each volume provides a definition, description, and development timeline of a particular specialty, including its essential and characteristic pattern of activities, as well as its distinctive and unique features. Written by

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recognized experts in their respective fields, volumes are comprehensive, up-to-date, and accessible. These volumes offer invaluable guidance to not only practicing mental health professionals, but those training for specialty practice as well.

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Ending Discrimination Against
People with Mental and Substance
Use Disorders
Proceedings of the ... Annual
Scientific Meeting, the College on
Problems of Drug Dependence, Inc
A Tribute To G.v. Goddard
Research Design for the

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Behavioral Sciences
Statistical Applications for the
Behavioral and Social Sciences
Learning Disabilities, Obesity &
More
Measuring Racial Discrimination
This award-winning book
provides an analysis of the

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genetic/evolutionary,
cultural/historical, and
developmental aspects of
prejudice and discrimination. It
emphasizes how certain
genetic/evolutionary
mechanisms are utilized to both

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produce and prevent prejudice and discrimination from occurring or to modify these behaviors once established. The goals of the book are to help us understand the limitations of interventions and increase

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tolerance and acceptance of outsiders. Peer Prejudice and Discrimination, Second Edition is ideal for advanced-level courses on prejudice and/or discrimination taught in departments of psychology,

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education, and sociology, as well as a valuable addition to any serious scholars personal library.

An updated edition of a classic text on applying statistical analyses to the social sciences,

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with reviews, new chapters, an expanded set of post-hoc analyses, and information on computing in Excel and SPSS Now in its second edition, Statistical Applications for the Behavioral and Social

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Sciences has been revised and updated and continues to offer an essential guide to the conceptual foundations of statistical analyses (particularly inferential statistics), placing an emphasis on connecting

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statistical tools with appropriate research contexts. Designed to be accessible, the text contains an applications-oriented, step-by-step presentation of the statistical theories and formulas most often used by the social

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sciences. The revised text also includes an entire chapter on the basic concepts in research, presenting an overall context for all the book's statistical theories and formulas. The authors cover descriptive

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statistics and z scores, the theoretical underpinnings of inferential statistics, z and t tests, power analysis, one/two-way and repeated-measures ANOVA, linear correlation and regression, as well as chi-

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square and other nonparametric tests. The second edition also includes a new chapter on basic probability theory. This important resource: Contains information regarding the use of statistical software packages;

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both Excel and SPSS Offers
four strategically positioned and
accumulating reviews, each
containing a set of research-
oriented diagnostic questions
designed to help students
determine which tests are

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applicable to which research scenarios Incorporates additional statistical information on follow-up analyses such as post-hoc tests and effect sizes Includes a series of sidebar discussions dispersed

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throughout the text that address, among other topics, the recent and growing controversy regarding the failed reproducibility of published findings in the social sciences
Puts renewed emphasis on

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presentation of data and findings using the APA format
Includes supplementary material consisting of a set of "kick-start" quizzes designed to get students quickly back up to speed at the start of an

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instructional period, and a complete set of ready-to-use PowerPoint slides for in-class use Written for students in areas such as psychology, sociology, criminology, political science, public health, and

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others, Statistical Applications for the Behavioral and Social Sciences, Second Edition continues to provide the information needed to understand the foundations of statistical analyses as relevant

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to the behavioral and social sciences.

Symposium presentations
address: molecular biological
tools in exploring behavior;
drugs of abuse and the immune
system; marijuana use;

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motivational aspects of drug abuse; excitatory amino acids in stimulant abuse and AIDS dementia; agonist efficacy, drug dependence, and medications development; drugs of abuse and gender differences;

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presynaptic and postsynaptic
neurochemical alterations in
human psychostimulant abusers;
antibody and protein based
therapies for drug abuse;
behavioral and pharmacological
interventions for pregnant

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substance abusers; and
mechanisms of abused drugs:
concordance between lab.
animal and human studies.
In recent years, revolutionary
technical advances have
permitted neuroscientists to

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map the functioning of the brain in exquisite detail. Of interest are the new techniques that visually display cell energy metabolism which is coupled to functional brain activity in behaving animals. This is the

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first book dealing with the application of 2-deoxyglucose and related metabolic mapping techniques for brain imaging of behavioral and learning functions. Quantitative autoradiographic techniques

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based on the use of exogenous markers include radiolabeled glucose and its analogs, especially 2-deoxyglucose and fluorodeoxyglucose. Other mapping techniques are based on the histochemical staining of

endogenous metabolic markers such as cytochrome oxidase, as well as immunohistochemistry for expression of c-fos genes. In spite of the great potential capabilities of the new imaging techniques, relatively few

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neuroscientists are using this approach to study brain functions related to behavior. There is a need to review state-of-the-art applications of these methods in behavioral neuroscience, and to formulate

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recommendations for future research in this area. This book is intended to fulfill these needs by bringing together leading neuroscientists using metabolic mapping approaches to elucidate brain mechanisms of behavior.

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Discussions are not limited to one animal species, but they cover a broad range of vertebrates with unique behavioral capabilities.

Problems of Drug Dependence
Fish Behavior and Its Use in the

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Capture and Culture of Fishes
Applications to Medicinal
Chemistry and Drug Studies
Learning
Animal Intelligence
Discrimination and Privacy in
the Information Society

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Proceedings of the Conference
on the Physiological and
Behavioral Manipulation of Food
Fish as Production and
Management Tools, Bellagio,
Italy, 3-8 November 1977, Held
Jointly by the Hawaii Institute

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of Marine Biology and the
International Center for Living
Aquatic Resources
Management, Manila
This volume examines
trajectories of drug use
among ethnic minority youth

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in the United States with a focus on African Americans and Hispanics. It also highlights what research designs have been employed to address these differences as well as suggests strategies

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for moving this discourse forward by identifying potential targets for prevention and intervention with minority youth. This book features essays by leading experts in the field

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who have grappled with this issue for decades. Inside, readers will find an insightful dialogue that addresses such questions as: Why are African American and Hispanic youth more likely than their White

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peers to abstain from drug use during adolescence but are more likely to become problem users later in life? What impact does the stress caused by discrimination have on potential drug use? To

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what extent does religiosity protect minority youth from drug use as past research suggests that it protects White youth? What is the influence of neighborhood context on exposure to and

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use of substances among urban African American children? Taken together, the essays in this book identify underexplored risk and protective factors and gaps in the current state of

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knowledge that can be used to develop effective, culturally specific drug abuse prevention strategies. This book is for anyone with an interest in the initiation and escalation of drug use among

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African Americans and Hispanics/Latinos and factors that influence these patterns over the life course. It will also be an ideal resource for those interested in better understanding the

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mechanisms by which risk and protective factors are related to the development of drug use and addiction, particularly the ways in which such factors contribute to health differences and have

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disproportionately more negative consequences for ethnic minorities.

Learning: Principles and Applications by Stephen B. Klein provides students a current, comprehensive, and

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engaging introduction to the psychology of learning. Praised for its easy-to-read style and presentation of important contributions of both human and nonhuman animal research, the text

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helps readers understand the process of learning with coverage of classic experiments, contemporary research, real-world examples, applications, chapter-opening vignettes,

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and critical thinking questions. The Eighth Edition features expanded sections on theories of conditioning, a streamlined organization through two separate chapters on memory storage

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and retrieval, and enhanced pedagogy to better connect the material to the everyday lives of students.

The fact that tobacco ingestion can affect how people feel and think has

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been known for millennia, placing the plant among those used spiritually, honorifically, and habitually (Corti 1931; Wilbert 1987). However, the conclusion that nicotine - counted for many of these

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psychopharmacological effects did not emerge until the nineteenth century (Langley 1905). This was elegantly described by Lewin in 1931 as follows: “ The decisive factor in the effects

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of tobacco, desired or
undesired, is nicotine. . .

” (Lewin 1998). The use of
nicotine as a pharmacological
probe to understand
physiological functioning at
the dawn of the twentieth

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century was a landmark in the birth of modern neuropharmacology (Limbird 2004; Halliwell 2007), and led the pioneering researcher John Langley to conclude that there must exist some “ -

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ceptive substance ” to explain the diverse actions of various substances, including nicotine, when applied to muscle tissue (Langley 1905). Research on tobacco and nicotine progressed

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throughout the twentieth century, but much of this was from a general pharmacological and toxicological rather than a psychopharmacological perspective (Larson et al.

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1961). There was some attention to the effects related to addiction, such as euphoria (Johnston 1941), tolerance (Lewin 1931), and withdrawal (Finnegan et al. 1945), but outside of

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research supported by the tobacco industry, addiction and psychopharmacology were not major foci for research (Slade et al. 1995; Hurt and Robertson 1998; Henningfeld et al. 2006;

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Henningfeld and Hartel 1999;
Larson et al. 1961).

This book is an introduction
to the biological basis of
behavior, broadly defined,
with practical applications for
higher education programs

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that focus on advances in neuroscience. It has a special focus on training practitioners based on American Psychological Association (APA) health service psychology guidelines. It

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reviews and digests
information for clinical,
counseling, and school
psychologists serving clients
of all ages in a variety of
settings, such as schools,
hospitals, and clinics. Content

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for all developmental stages, including birth to geriatric practices are highlighted. Some unique features of this book include: The integration of neuropsychological and theoretical foundations for

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clinical practice.

Comprehensive consideration of projective, objective, and interviewing measures.

Recent research in neuroimaging as it relates to clinical practice.

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Psychopharmacology and its effect within the neurosciences. Assessment for intervention in clinical, counseling, school, and neuropsychology. The use of research to guide

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neuropsychologically-based
clinical practice. Eastern and
western approaches to
integration and case
conceptualization.
Interventions driven by brain-
based scientific

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understanding. A variety of neuropsychological cases and report styles to improve practice The enduring contribution of psychology into modern times will remain contingent on practitioners'

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commitment to ethically-based, empirically-focused, evidence-based practice; continuing education; and scientific discovery. This book will help health service psychologists and counselors

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to meet the needs of an increasingly diverse population by providing cutting-edge, evidence-based, ecologically valid neuropsychological interventions currently

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lacking within the field.
Cultural considerations are provided within each chapter, which is especially important given societal inequity that continues to persist within our world. Implications for

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the COVID-19 pandemic are also discussed in light of neuroscientific advances in medicine.

The American Journal of
Psychology
Realism, Naturalism, and

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Quantitative Methods in the
Behavioral Sciences
Advances in Metabolic
Mapping Techniques for Brain
Imaging of Behavioral and
Learning Functions
Drug Use Trajectories

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Among Minority Youth
Measuring the Intentional
World
Mechanisms, Models and
Applications
Selected Papers from the
Urban Forestry and Ethnic

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Minorities and the
Environment Paper Sessions :
4th North American
Symposium on Society and
Resource Management : May
17-20, 1992, University of
Wisconsin, Madison,

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Wisconsin

Our increased reliance on computer technology for all aspects of life, from education to business, means that the field of cyber-security has become of paramount importance to us all.

This book presents the

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proceedings of the inaugural Singapore Cyber-Security R&D Conference (SG-CRC 2016), held in Singapore in January 2016, and contains six full and seven short peer-reviewed papers. The conference took as its theme the importance of introducing a

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technically grounded plan for integrating cyber-security into a system early in the design process, rather than as an afterthought. The element of design is integral to a process, be it a purely software system, such as one engaged in managing online

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transactions, or a combination of hardware and software such as those used in Industrial Control Systems, pacemakers, and a multitude of IoT devices. SG-CRC 2016 focused on how design as an element can be made explicit early in the development process using

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novel techniques based on sound mathematical tools and engineering approaches, and brought together academics and practitioners from across the world to participate in a program of research papers and industrial best practice, as well as an exhibition of tools. The book

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will be of interest to all those with a working interest in improved cyber-security.

Shari Seidman Diamond Scholars interested in psychology and law are fond of claiming origins for psycholegal research that date back four score and three years

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ago to Hugo von Munsterberg's On the Witness Stand, published in 1908. These early roots can mislead the casual observer about the history of psychology and law. Vigorous and sustained research in the field is a recent phenomenon. It is only 15 years since the first

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review of psychology and law appeared in the Annual Review of Psychology (Tapp, 1976). The following year saw the first issue of Law and Human Behavior, the official publication of the American Psychology-Law Society and now the journal of the American

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Psychological Association's
Division of Psychology and Law.
Few psychology departments
offered even a single course in
psychology and law before 1973,
while by 1982 1/4 of psychology
graduate programs had at least one
course, and a number had begun to

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offer forensic minors and/or joint J. D. / Ph. D. programs (Freeman & Roesch, see Chapter 28). Yet this short period of less than 20 years has seen a dramatic level of activity. Its strengths and weaknesses, excitements and disappointments, are all captured

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in the collection of chapters published in this first Handbook of Psychology and Law. In describing what we have learned about psychology and law, the works included here also reveal the questions we have yet to answer and thus offer a blueprint for

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activities in the next 20 years. Trout advances scientific realism as a behavioural science. He introduces measured realism which characterizes a kind of uneven but indisputable theoretical progress in the social and psychological sciences.

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The study of discrimination and generalization in animals traditionally involves stimuli that are simple, uniform, and restricted in time or space. In recent years, the area of stimulus control has been expanded with the use of stimuli that are complex, extended

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in time or space, and incorporate or represent natural objects, events, or locations. The contributors to this unique volume have emphasized controlling functions of complex stimulus events -- such as location or duration -- and their relation to

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cognitive processes in animals. The chapters cover a wide array of topics, including spatial cognition, categorization, pattern perception, numerosity discriminations, imagery, and spatial tracking, thereby addressing the question of how

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complex events are perceived, processed, and organized. This volume goes beyond other recent books on animal cognition in that it specifically places some well-known phenomena within the context of stimulus control.

Journal of Human Services

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Abstracts
Nicotine Psychopharmacology
Principles and Applications
Proceedings of the Singapore
Cyber-Security Conference (SG-
CRC) 2016
An Applied Approach
Data Mining and Profiling in Large

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Databases

The Evidence for Stigma Change

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