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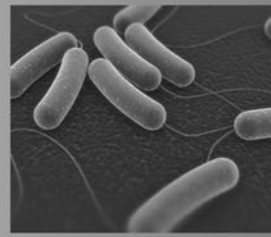
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Published for the British Association for Behavioural and Cognitive Psychotherapies

the Cognitive Behaviour Therapist

Editor: Michael Townend, *University of Derby, UK*



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Editor: Kathleen Y. Haaland, *NM VA Healthcare System, Albuquerque, USA*



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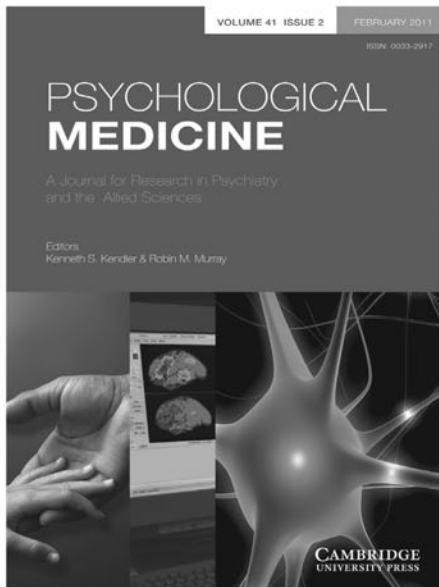
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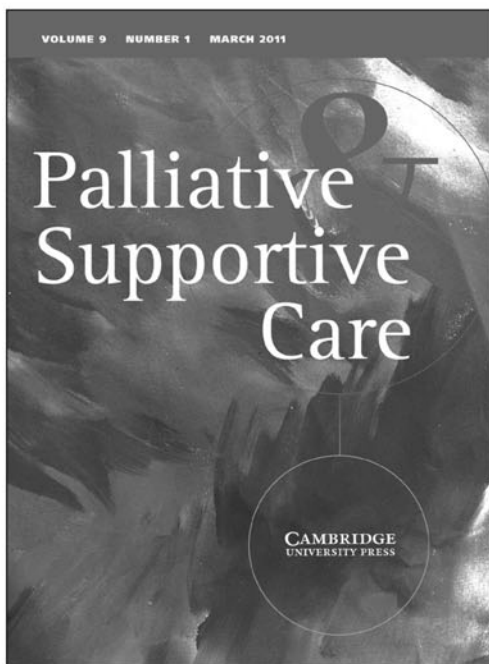
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Bayesian fundamentalism or enlightenment? On the explanatory status and theoretical contributions of Bayesian models of cognition

Matt Jones and Bradley C. Love

To appear in Volume 34, Number 5 (2011)

Subtracting “ought” from “is”: Descriptivism versus normativism in the study of human thinking

Shira Elqayam, De Montfort University, and Jonathan St. B. T. Evans, University of Plymouth

We propose a critique of *normativism*, defined as the idea that human thinking reflects a normative system against which it should be measured and judged. Logicism and normative Bayesianism are both cases of normativism. We analyze the place of normativism in contemporary theories of reasoning, judgment, and decision making, and the methodological problems associated with it. We propose that normativism poses conceptual problems for the psychology of reasoning and biases its research; and little can be gained from the normativist approach that cannot be gained by descriptivist computational-level analysis. We conclude that *descriptivism* is a viable option, and that theories of higher mental processing would be better off freed from normative considerations.

With commentary from T Achourioti, A Fugard & K Stenning; JF Bonnefon; GL Brase & J Shanteau; I Douven; J Foss; T Fuller & R Samuels; V Giroto; N Gold, AM Colman & BD Pulford; U Hahn; S Hrotic; K Kim & Y Park; S McNair & A Feeney; R Nickerson; CD Novaes; M Oaksford & N Chater; N Pfeifer; EM Pothos & JR Busemeyer; J Proust; K Quintelier & DMT Fessler; G Schurz; D Spurrett; KE Stanovich; R Sternberg; S Stich & W Buckwalter; EJN Stupple & IJ Ball; Y Sun & H Wang; VA Thompson; M Waldmann; J Weinberg

To appear in Volume 34, Number 6 (2011)

Drugs as instruments: A new framework for nonaddictive psychoactive drug use

Christian P. Müller, University of Erlangen–Nuremberg and King’s College London, & Gunter Schumann, King’s College London

Most people who are regular consumers of psychoactive drugs are not drug addicts, nor will they ever become addicts. In this article, a new neurobiological framework theory for nonaddictive psychoactive drug consumption is presented, identifying advantages of this widespread behavior. The concept of “drug instrumentalization” is introduced. It is argued that humans are able to learn that mental states can be changed on purpose by psychoactive drugs, in order to facilitate other, non-drug-related behaviors. The neuropharmacological effects of different drug classes, which highlight distinct instrumental roles of drugs, are reviewed. Drug memory subtypes are introduced and mechanisms of drug instrumentalization learning and retrieval are discussed.

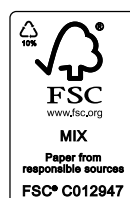
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Müller, C. P. & Schumann, G., “Drugs as instruments: A new framework for nonaddictive psychoactive drug use”
C. L. Fincher & R. Thornhill, “Parasite-stress promotes in-group assortative sociality: The cases of strong family ties and heightened religiosity”
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