Forthcoming Articles

The following is a list of *Behavior Research Methods, Instruments, & Computers* articles that are currently in press. They are given in approximate order of acceptance. Each entry includes the initials (in parentheses) and address of the author with whom to communicate for further prepublication information. The author's e-mail address is also listed, if available.

An adaptive reference/test paradigm: Application to pulsed fluoroscopy perception.
P. XUE, C.W. THOMAS, G.C. GILMORE, & D.L. WILSON—
(D.L.W.) Dept. of Biomedical Engineering, Wickenden Bldg. 504, Case Western Reserve Univ., Cleveland, OH 44106; dlw@po.cwru.edu

Estimating peak velocity of rapid eye movements from video recordings.
J.T. ENRIGHT—
(J.T.E.) Neurobiology Unit 0202, Scripps Inst. of Oceanography, La Jolla, CA 92093; jenright@ucsd.edu

Effects of computer interfaces on computer-based statistical analysis.
P.W. SCHULTZ & D.E. BERGER—
(P.W.S.) Dept. of Psychology, St. Lawrence Univ., Canton, NY 13617

The Snodgrass picture fragment completion test: Alternate form reliability.
B.S. WYATT, F.A. CONNERS, & M.D. CARR—
(F.A.C.) Dept. of Psychology, Univ. of Alabama, Tuscaloosa, AL 35487-0348; fconners@gp.as.ua.edu

Inputlogger: General-purpose logging of keyboard and mouse events on an Apple Macintosh.
S. TREWIN—
(S.T.) Dept. of Artificial Intelligence, Univ. of Edinburgh, F11, 80 South Bridge, Edinburgh EH1 1HN, Scotland; shari@aisb.ed.ac.uk

CPCA: A program for principal component analysis with external information on subjects and variables.
M.A. HUNTER & Y. TAKANE—
(M.A.H.) Dept. of Psychology, P.O. Box 3050, Univ. of Victoria, Victoria, BC, Canada V8W 3P5; mhunter@castle.uvic.ca

Cupid: A program for computations with probability distributions.
J. MILLER—
(J.M.) Dept. of Psychology, Univ. of Otago, Dunedin, New Zealand; miller@otago.ac.nz

Extendable high-speed stimulus generation and recording on the Macintosh computer.
S.B. STEINMAN—
(S.B.S.) Dept. of Biomedical Sciences, Southern College of Optometry, 1245 Madison Ave., Memphis, TN 38104-2222; steinman@sco.edu

A device for concurrent bilateral measurement of outer eyelid closures in the rabbit.
S.E. BRANDON, B. LOGAN, N. COX, & A.R. WAGNER—
(S.E.B.) Dept. of Psychology, P.O. Box 208205, Yale Univ., New Haven, CT 06520-8205; susan_brandon@quickmail.yale.edu

SPSS procedures for approximate randomization tests.
A.F. HAYES—
(A.F.H.) Dept. of Psychology, Univ. of New England, Armidale, NSW 2351, Australia; ahayes@metz.une.edu.au

A methodology to facilitate occupational task grouping: Meeting the demands of training analysis and planning.
B.M. PERRIN, D.S. VAUGHAN, J.L. MITCHELL, R.M. YADRICK, & W.R. BENNETT—
(B.M. P.) McDonnell Douglas Aerospace, Mailcode: 1064625, P.O. Box 516, St. Louis, MO 63166-0516; bperrin@mdc.com

Interpreting statistical testing: Process and propensity, not population and random sampling.
R.W. FRICK—
(R.W.F.) Dept. of Psychology, SUNY, Stony Brook, NY 11794-2500; robert.frick@sunysb.edu

Assessing stereomotion thresholds with a high-resolution computer monitor.
P. SERVOS, L.A. SYMONS, W. SCHMIDT, & M.A. GOODALE—
(P.S.) Dept. of Psychology, Wilfrid Laurier Univ., Waterloo, ON, Canada N2L 3C5; pservos@mach1.wlu.ca

Using Excel to estimate parameters from observed data: An example from source memory data.
C.S. DODSON, W. PRINZMETAL, & A.P. SHIMAMURA—
(C.S.D.) Dept. of Psychology, Univ. of California, Berkeley, CA 94720; chadd@violet.berkeley.edu

Never cross the path of a traveling salesman: The neural network generation of Halstead–Reitan trail-making tests.
D. VICKERS & M.D. LEE—
(D.V.) Psychology Dept., Univ. of Adelaide, Adelaide, S. Australia 5005, Australia; psyd-vic@arts.adelaide.edu.au

A low cost system for measuring and analyzing human movement in three dimensions.
P. HAGGARD—
(P.H.) Dept. of Psychology, Univ. College London, Gower St., London WC1E 6BT, England; p.haggard@ucl.ac.uk

A general purpose computer system for behavioral conditioning and neural recording experiments.
G. CHEN & J.E. STEINMETZ—
(J.E.S.) Dept. of Psychology, Indiana Univ., Bloomington, IN 47405; steinmet@ucs.indiana.edu

A simple graphical technique for assessing timer accuracy of computer systems.
B. MYORS—
(B.M.) School of Behavioural Sci., Macquarie Univ., Sydney, NSW 2109, Australia; bmyors@bunyip.bhs.mq.edu.au

The PC tachistoscope has 32 pages.
B. MYORS—
(B.M.) School of Behavioural Sci., Macquarie Univ., Sydney, NSW 2109, Australia; bmyors@bunyip.bhs.mq.edu.au

Sampling frequency and the study of eye–hand coordination in aiming.
W.F. HELSEN, J.L. STARKES, D. ELLIOTT, & K.L. RICKER—
(W.F.H.) Katholieke Universiteit Leuven, Motor Learning Laboratory, Tervuursevest 101, 3001 Lueven BELGIUM; werner.helsen@flok.kuleuven.ac.be

Runword: An IBM-PC software package for the collection and acoustic analysis of speeded naming responses.
C.T. KELLO & A.H. KAWAMOTO—
(C.T.K.) Dept. of Psychology, Carnegie Mellon Univ., Pittsburgh, PA 15213; kello+@andrew.cmu.edu

Using maximum-likelihood adaptive methods to estimate difference thresholds and points of subjective equality.
R.A. POKORNY—
(R.A.P.) AL/HRCC, 7909 Lindbergh Drive, Brooks AFB, TX 78235-5601; pokorny@alhrm.brooks.af.mil

A vigilance task sensitive to the effects of stimulants, hypnotics, and environmental stress: The scanning visual vigilance test.
H.R. LIEBERMAN, B. COFFEY, & J. KOBRICK—
(H.R.L.) Military Nutrition Division, USARIEM (MCMR-UE-OPN), Natick, MA 01760-5007; hlieberman@natick-ccmail.army.mil

CAT: A tool for eliciting knowledge on how to perform procedures.
K.E. WILLIAMS, E. HULTMAN, & A.C. GRAESSER—
(A.C.G.) Dept. of Psychology, University of Memphis, Campus Box 526400, Memphis, TN 38152-6400; a-graesser@memphis.edu

MESA: A portable multi-energy sensor array for low-frequency electromagnetic field fluctuations.
J. HOURAN, R. LANGE, & D.L. BLACK—
(J.H.) 301 University Court West, Springfield, IL 62703

Testing the validity of the paddle method for the kinesthetic and visual–kinesthetic perception of inclination.
C. FERESIN, T. AGOSTINI, & N. NEGRIN-SAVIOLO—
(C.F.) Psicologia Generale, Università di Padova, via Venezia 8, 35131 Padova Italy; feresin@uts.univ.trieste.it

Comparing power imagery in TAT's written by hand or on the computer.
V. BLANKENSHIP & A.L. ZOOTA—
(V.B.) Dept. of Psychology, Northern Arizona Univ., P.O. Box 15106, Flagstaff, AZ 86011; virginia.blankenship@nau.edu

ComKappa: A WIN95 program for calculating kappa and related statistics.
B.F. ROBINSON & R. BAKEMAN—
(B.F.R.) Dept. of Psychology, Emory University, Atlanta, GA 30322; brobins@emory.edu

Some cautions regarding statistical power in split-plot designs.
D.R. BRADLEY & R.L. RUSSELL—
(D.R.B.) Dept. of Psychology, Bates College, Lewiston, ME 04240; dbradley@abacus.bates.edu

The accuracy of four approximations to noncentral F.
D.R. BRADLEY, R.L. RUSSELL, & C. P. REEVE—
(D.R.B.) Dept. of Psychology, Bates College, Lewiston, ME 04240; dbradley@abacus.bates.edu

A new EOG-based eyeblink detection algorithm.
X. KONG & G.F. WILSON—
(X.K.) Dept. of Electrical Engineering, Northern Illinois University, DeKalb, IL 60115; kong@ceet.niu.edu

Automated syndromic profile and discriminant classification analyses for the adjustment scales for children and adolescents.
G.L. CANIVEZ—
(G.L.C.) Psychology Department, Eastern Illinois University, Charleston, IL 61920-3099; cfglc@ciu.edu

A better stopping rule for conventional statistical tests.
R.W. FRICK—
(R.W.F.) Department of Psychology, SUNY at Stony Brook, Stony Brook, NY 11794-2500; rfrick@sunysb.edu

An automated technique for the study of cyclic fluctuations in sexual motivation in an avian species.
H. CETINKAYA & M. DOMJAN—
(M.D.) Department of Psychology, University of Texas, Austin, TX 78712; domjan@psy.utexas.edu

Comparing means from nonnormal distributions: The bisquare-weighted analysis of variance.
R.A. REGETH & W.W. STINE—
(R.A.R.) Psychology Department, Box 13046 SFA Station, Stephen F. Austin State Univ., Nacogdoches, TX 75962-3046; rarl@christa.unh.edu

Analyzing experimental data using the Rasch model.
T. VERGUTS, P. DE BOECK, & G. STORMS—
(T.V.) Department of Psychology, University of Leuven, Tiensestraat 102, B-3000 Leuven, Belgium; tom.verguts@psy.kuleuven.ac.be

Simulating the variability of actual outcomes.
S.M. GOLTZ & J.E. NORTHEY, JR.—
(S.M.G.) School of Business and Engineering Admin., Michigan Technological University, 106A Academic Office Building, 1400 Townsend Drive, Houghton, MI 49931-1295; smgoltz@mtu.edu

Using airpuffs to elicit the human blink reflex.
P. HAERICH—
(P.H.) Psychophysiology & Human Cognition Lab, Department of Psychology, Graduate School, Loma Linda University, Loma Linda, CA 92350; phaerich@ccmail.llu.edu

Analyzing single-case data with visually guided randomization tests.
J. FERRON & L. FOSTER-JOHNSON—
(J.F.) Dept. of Education Measurement & Research, University of South Florida, 4202 East Fowler Avenue - FAO 100U, Tampa, FL 33620; ferron@tempest.coedu.usf.edu

Methodological issues in event-related brain potential research.
M. EIMER—
(M.E.) Dept. of Experimental Psychology, University of Cambridge, Downing Street, Cambridge CB2 3EB, England; me209@cam.ac.uk

Estimating the spatial nyquist of the human EEG.
R. SRINIVASAN, D.M. TUCKER, & M. MURIAS—
(D.M.T.) Electrical Geodesics, Inc., Riverfront Research Park, 1811 Garden Ave., Suite 104, Eugene, OR 97403; dtucker@egi.com

Slow potential topography.
H. BAUER—
(H.B.) Institute of Psychology, University of Vienna, Liebiggasse 5, A-1010 Vienna, Austria; herbert@labl.psy.univie.ac.at

Issues in the application of the average reference: Review, critiques, and recommendations.
J. DIEN—
(J.D.) Beckman Institute, 405 N. Mathews Ave., Urbana, IL 61801-2325; jdien@s.psych.uiuc.edu

Dealing with artifacts: The EOG contamination of the event-related brain potential.
G. GRATTON—
(G.G.) Department of Psychology, University of Missouri, 210 McAlester Hall, Columbia, MO 65211; psygg@showme.missouri.edu

Digital filtering in EEG/ERP Analysis: Some technical and empirical comparisons.
J.B. NITSCHKE, G.A. MILLER, & E.W. COOK III—
(G.A.M.) Department of Psychology, University of Illinois, 603 E. Daniel Street, Champaign, IL 61820; gamiller@uiuc.edu

Median method for eliminating infrequent artifacts and identifying the signals blurred by latency jitter and uncertain occurrence.
H. YABE—
(H.Y.) Dept. of Neuropsychiatry, Hirosaki Univ. School of Medicine, 5 Zaifu-cho, Hirosaki 036, Japan; yabe@cc.hirosaki-u.ac.jp

Bootstrap assessment of the reliability of maxima in surface maps of brain activity of individual subjects derived with electrophysiological and optical methods.
M. FABIANI, G. GRATTON, P.M. CORBALLIS, F. CHENG, & D. FRIEDMAN—
(M.F.) Department of Psychology, University of Missouri, 210 McAlester Hall, Columbia, MO 65211-2500; psymf@showme.missouri.edu

Computational and statistical methods for analyzing event-related potential data.
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(G.J.M.V.) Department of Psychology (P607), Tilburg University, P.O. Box 90153, 5000 LE Tilburg, The Netherlands; g.j.m.vboxtel@kub.nl

Methods for the quantification and statistical testing of ERP differences across conditions.
J. HOORMANN, M. FALKENSTEIN, P. SCHWARZENAU, & J. HOHNSBEIN—
(M.F.) Inst. für Arbeitphysiologie, Universität Dortmund, Ardeystr. 67, D-44139 Dortmund, Germany; falkenstein@arb-phys.uni-dortmund.de

A new method for the estimation of the onset of the lateralized readiness potential (LRP).
P. SCHWARZENAU, M. FALKENSTEIN, J. HOORMANN, & J. HOHNSBEIN—
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Integrating electrophysiology and neuroimaging in the study of human cognition.
G.R. MANGUN, J.B. HOPFINGER, & H.-J. HEINZE—
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Measurement and interpretation of the mismatch negativity.
E. SCHRÖGER—
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The lateralized readiness potential as an on-line measure of central response activation processes.
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Event-related potentials in cognitive neuropsychology: Methodological considerations and an example from studies of aphasia.
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