

EWART ARTHUR CORT THOMAS

Born: Guyana, December 25, 1942
Naturalized U.S. citizen.

Academic Degrees

- 1963 B.Sc., University of the West Indies, Jamaica (in Mathematics)
1967 Ph.D., University of Cambridge, England (in Statistics)

Honorary Degree

- 1989 L.L.D., University of the West Indies, Jamaica

Academic Positions

- 1967-70 Honorary Research Assistant, Department of Psychology, University College London
1970-71 Assistant Professor of Psychology, University of Michigan
1971-72 Associate Professor of Psychology, University of Michigan
1972-73 Visiting Associate Professor of Psychology, Stanford University
1973-75 Associate Professor of Psychology, Stanford University
1975- Professor of Psychology, Stanford University
1977 Visiting Professor of Mathematics, University of Guyana
1995 Visiting Professor of Mathematics, University of the West Indies
2008 Ralph & Claire Landau Visiting Professor of Psychology, The Chinese University of Hong Kong (January to June)
1983-86 Chairman, Department of Psychology, Stanford University
1986-88 Associate Dean, School of Humanities & Sciences, Stanford University
1988-93 Dean, School of Humanities & Sciences, Stanford University

Awards

- 1976-77 John Simon Guggenheim Foundation Fellow
1979-80 Fellow, Center for Advanced Study in the Behavioral Sciences, Stanford, California
1982-84 University Fellow, Stanford University
2002 Distinguished Teaching Award from the Associated Students of Stanford University (ASSU)
2013 Bass University Fellow in Undergraduate Education, Stanford University

Consulting and Editorial Experience

- 1972- Member of various Fellowship and Review Committees at the National Institute of Mental Health, National Science Foundation and National Institute of Education
- 1977-90 External Examiner for Department of Mathematics, University of Guyana
- 1977 Statistical consultant, Central Bank of Guyana
- 1978 Statistical consultant, National Study of Day Care Centers, conducted by Abt. Associates, Boston
- 1978-79 Statistical consultant, National survey of the developmental disabilities movement, conducted by New Dimensions in Community Service, San Francisco
- 1979-80 Statistical consultant, D.H.E.W. study of the immunization status of first grade children in Northern California; study conducted by Naomi Gray Associates, San Francisco
- 1982-83 Statistical consultant, National Infant Care Study, conducted by The Urban Institute, San Mateo, for DHHS
- 1983-85 Statistical consultant, National Study of Language Minority/Limited English Proficiency students in High Schools; by Naomi Gray Associates, San Francisco
- 1984-85 Statistical Consultant, Carpenter Apprentice and Journeyperson Survey, conducted by the JATC of Northern California
- 1985-90 Consulting Editor, *Psychological Review*
- 1987-89 Member of Editorial Board, *Psychological Bulletin*

Committees

- 1991 Member of the Chancellor's Review Commission for the University of Guyana
- 1993-97 Member of the Board on Testing and Assessment, National Research Council
- 1993-96 Member of the Advisory Committee of the Office of Science and Engineering Personnel, National Research Council
- 1994-96 Member of the Selection Committee for the Alan T. Waterman Award, National Academy of Sciences
- 1998-2000 Member of the Academic Senate, Stanford University
- 1998-2000 Chair, Committee on Committees of the Academic Senate, Stanford University
- 2002-2004 Chair, Committee on Undergraduate Standards & Policy of the Academic Senate, Stanford University
- 2005 Member of the Vice-Chancellor's Ad Hoc Committee to investigate ethnic and gender discrimination at the St. Augustine campus, University of the West Indies
- 2005-2007 Member of the Judicial Affairs Panel
- 2010-2011 Chair, Ad Hoc Committee of the Academic Senate on Reserve Officer Training Corps programs at Stanford University

Publications

On determining pain thresholds using the limiting method. Quarterly Journal of Experimental Psychology, 1966, 18, 270-272.

Mathematical models for the clustered firing of single cortical neurons. British Journal of Mathematical and Statistical Psychology, 1966, 19, 151-162.

An optimum interval in the assessment of pain threshold. Quarterly Journal of Experimental Psychology, 1967, 19, 54-58. (With Diana R. Haslam)

Reaction-time studies: the anticipation and interaction of responses. British Journal of Mathematical and Statistical Psychology, 1967, 20, 1-29.

Notes on the Piaget-Grize grouping. Lectures at the N.U.F.F.I.C. summer school on 'Algebraic models in psychology.' The Hague. (Private circulation)

Distribution free tests for mixed probability distribution. Biometrika, 1969, 56, 475-484.

Alternative models for information processing: constructing non-parametric tests. British Journal of Mathematical and Statistical Psychology, 1969, 22, 105-113.

Probability matching as a basis for detection and recognition decisions. Psychological Review, 1970, 77, 65-72. (With D. Legge)

On expectancy and average reaction time. British Journal of Psychology, 1970, 61, 33-38.

Preparation in simple reaction time. Bulletin of the British Psychological Society, 1970, 23, 241-242.

A model for subjective grouping in typewriting. Quarterly Journal of Experimental Psychology, 1970, 22, 353-367. (With R. G. Jones)

Sufficient conditions for monotone hazard rate—An application to latency-probability curves. Journal of Mathematical Psychology, 1971, 8, 303-332.

Implications of latency data for threshold and non-threshold models of signal detection. Journal of Mathematical Psychology, 1971, 9, 253-285. (With J. L. Myers)

Equal-interval, symmetric scales in the coding of preferential data. M.M.P.P. Technical Report 71-11, 1971.

An analysis of the effects of group discussion on individual risk preferences. Journal of Personality and Social Psychology, 1973, 25, 192-198. (With R. M. Farr and G. D. Gaskell)

On expectancy and the speed and accuracy of responses. In S. Kornblum (Ed.), Attention and Performance IV. New York: Academic Press, 1973, 613-626.

On a class of additive learning models: Error-correcting and probability matching. Journal of Mathematical Psychology, 1973, 10, 241-264.

The selectivity of preparation. Psychological Review, 1974, 81, 442-464.

A note on the sequential ratio test. Psychometrika, 1975, 40, 107-111.

Time perception and the filled-duration illusion. Perception and Psychophysics, 1974, 16, 449-458. (With I. Brown)

- Cognitive processing and time perception. Perception and Psychophysics, 1975, 17, 363-367. (With W. B. Weaver)
- On the duality of simultaneous time and size perception. Perception and Psychophysics, 1975, 18, 44-48. (With N. E. Cantor)
- On technological implications of the wage-profit frontier. Journal of Economic Theory, 1975, 11, 263-282.
- Spatial demand models with uniform rate of growth. Environment and Planning A, 1975, 71, 589-599. (With O. Davies)
- Criterion adjustment and probability matching. Perception and Psychophysics, 1975, 18, 158-162.
- Facility location with changing demand levels. Geographical Analysis, 1976, 8, 376-394. (With O. Davies)
- Simultaneous time and size perception. Perception and Psychophysics, 1976, 19, 353-360. (With N. E. Cantor)
- Visual masking effects on size and form judgments. Perception and Psychophysics, 1976, 19(4), 321-327. (With N. E. Cantor)
- Analyses of parent-infant interaction. Psychological Review, 1976, 83, 141-156. (With J. A. Martin)
- Extracting identity and location information from briefly presented letter arrays. Perception and Psychophysics, 1976, 20, 243-258. (With C. L. Krumhansl)
- Effect of level of confusability on reporting letters from briefly presented visual displays. Perception and Psychophysics, 1976, 21, 269-278. (With C. L. Krumhansl)
- Apparent weight of evidence, decision criteria and confidence ratings in juror decision-making. Psychological Review, 1976, 83, 442-465. (With A. Hogue)
- Control of attention in the processing of temporal and spatial information in complex visual patterns. Journal of Experimental Psychology: Human Perception and Performance, 1977, 3, 243-250. (With N. E. Cantor)
- An analysis of mother-child interaction. In A. W. Boykin, A. J. Franklin and J. F. Yates (Eds.), Research Directions of Black Psychologists. New York: Russell Sage Foundation, 1979.
- Bias and discriminability in group performance. In A. W. Boykin, A. J. Franklin and J. F. Yates (Eds.), Research Directions of Black Psychologists. New York: Russell Sage Foundation, 1979.
- Interdependence between the processing of temporal and non-temporal information. In J. Requin (Ed.), Attention and Performance VII. Hillsdale: Erlbaum, 1979. (With N. E. Cantor)
- On the dynamics of two-person interactions. Psychological Review, 1979, 86, 331-360. (With T. W. Malone)
- On appropriate procedures for combining probability distributions within the same family. Journal of Mathematical Psychology, 1980, 21, 136-152. (With B. H. Ross)
- Processing instructions, markedness and congruity effects in a sentence-verification task. Journal of Experimental Psychology: Human Perception and Performance, 1981, 7(3), 701-718. (With K. Hemenway)
- Effort and optimality in the new Soviet incentive model. Economics of Planning, 1981, 17, 23-36.
- Notes on effort and achievement-oriented behavior. Psychological Review, 1983, 90(1), 1-20.

The influence of own and other outcome on satisfaction and choice of task difficulty. Organizational Behavior and Human Performance, 1983, 32, 399-416. (With W. E. Ward)

The short-term dynamics of social organization in preschool triads. Child Development, 1984, 55, 1051-1070. (With V. C. McLoyd and D. Warren)

Anticipatory and fantastic role enactment in preschool triads. Developmental Psychology, 1984, 20, 807-814. (With V. C. McLoyd and D. Warren)

On calculating optimal contributory negligence rules. Social Choice and Welfare, 1985, 1, 65-85.

Liability as a function of plaintiff and defendant fault. Journal of Personality and Social Psychology, 1987, 53, 843-857. (With M. K. Parpal)

Behavior-dependent contexts for repeated plays of the prisoners' dilemma. Journal of Conflict Resolution, 1988, 32, 699-726. (With M. W. Feldman)

Behavior-dependent contexts for repeated plays of the prisoner's dilemma II: Dynamical aspects of the evolution of cooperation. Journal of Theoretical Biology, 1987, 128, 297-315. (With M. W. Feldman)

On the role of patch density and patch variability in central-place foraging. Theoretical Population Biology, 1988, 34, 266-278.

Distributional assumptions and observed conservatism in the theory of signal detectability. Journal of Mathematical Psychology, 1991, 35, 443-470. (With L. T. Maloney)

Congener Development in Jamaican Rum over an Aging Period of Three Years. Jamaica Journal of Science and Technology, 1995, 6, 30-51. (With Y. A. Jackson and I. L. Thompson)

Fairness, evidence evaluation and decision making in voting rights cases. Law and Human Behavior, 2006, 30, 543-560. PMID: 17019616. (Authors: Angela P. Cole and Ewart AC Thomas)

Mathematical and Empirical Studies of English/Creole Language Variation. In Proceedings of the 16th Caribbean Academy of Sciences Biennial Conference on Science and Technology: Vehicles for Sustainable Economic Development in the Caribbean, pp. 1-19; 11-13 October 2008. Grenada, West Indies. (Authors: Ewart A.C. Thomas and Hubert Devonish)

Value-Added Modeling of Teacher Effectiveness: An Exploration of Stability across Models and Contexts. In Educational Policy Analysis Archives, 2010, 18 (23). Retrieved [date], from <http://epaa.asu.edu/ojs/article/view/810>. (Authors: Xiaoxia A. Newton, Linda Darling-Hammond, Edward Haertel and Ewart Thomas.)

Studying Teacher Effectiveness: The Challenges of Developing Valid Measures. In Geoffrey Walford and Eric Tucker (eds.), The SAGE Handbook of Measurement, 2010. Sage Publications Ltd. (Authors: Linda Darling-Hammond, Jack Dieckmann, Ed Haertel, Rachel Lotan, Xiaoxia Newton, Sandy Philipose, Eliza Spang, Ewart Thomas and Peter Williamson.)

Comparing the Eyes Depicted in Japanese Portraits of Beautiful Women: The Meiji and Modern Periods. In Aesthetic Plastic Surgery, 2012, 36: 504-510. PMID: 22302188. (Authors: James J. Lee and Ewart Thomas.)

Choosing a Physician Depends on How You Want to Feel: The Role of Ideal Affect in Health-Related Decision-Making. Emotion (2013 Nov 4. Epub ahead of print). PMID: 24188062. (Authors: Tamara Sims, Jeanne L. Tsai, Birgit Koopmann-Holm, Ewart A.C. Thomas and Mary K. Goldstein.)

In Vivo Readout of CFTR Function: Ratiometric Measurement of CFTR-Dependent Secretion by Individual, Identifiable Human Sweat Glands. PLoS ONE (2013) 8(10): e77114.

doi:10.1371/journal.pone.0077114. PMID: 24204751; PMCID: PMC 3811985. (Authors: Jeffrey J. Wine, Jessica Char, Jonathan Chen, Hyung-ju Cho, Colleen Dunn, Eric Frisbee, Nam Soo Joo, Marlene H. Kennedy, Carlos Milla, Sara Modlin, Il-Ho Park, Ewart A. C. Thomas, Kim V. Tran and Rohan Verma.)

A Little CFTR Goes a Long Way: CFTR-Dependent Sweat Secretion from G551D and R117H-5T Cystic Fibrosis Subjects taking Ivacaftor. *PLoS ONE* (2014) 9(2): e88564. doi:10.1371/journal.pone.0088564. PMID: 24520399; ID: 3919757. (Authors: Jessica E. Char, Marlene H. Wolfe, Hyung-ju Cho, Il-Ho Park, Jin Hyeok Jeong, Eric Frisbee, Colleen Dunn, Zoe Davies, Carlos Milla, Richard B. Moss, Ewart A. C. Thomas and Jeffrey J. Wine.)

Current Project

“Identifying the dialect sources of the lexico-phonetic inputs from English into Sranan, a Creole language spoken in Suriname and The Netherlands”. Work in progress. (Authors: André Sherriah, Hubert Devonish, Ewart Thomas, Nicole Creanza and Marc Feldman.)

Unpublished Papers

On defining conceptual tempo. November 1976, Stanford University. (With Arthur Mathis)

An algorithm for making short-term projections of the economy of Guyana. November 1977, Stanford University.

The developmental disabilities movement: A national study of minority participation. Prepared for U. S. Department of Health and Human Services, November 1979. (I was responsible for writing the chapter that described the statistical analyses of the data. The rest of the report was prepared by staff members of New Dimensions in Community Service, San Francisco, California)

Time orientation, optimism and quasi-economic behavior. Presented at meeting of the Western Psychological Association, Los Angeles, April 1978. (With W. E. Ward)

Immunization survey in nine Bay Area counties. Prepared by Naomi Gray Associates for the U. S. Public Health Services, Region 9, under contract #190-79-0024, March 1980. (Authors: Naomi Gray, Odette J. Thomas and Ewart A. C. Thomas)

Efficient estimation with the up-and-down method. June, 1982, Stanford University. (With P. G. Smith)

The dynamics of verbalized play in same- and mixed-age preschool dyads. 1982, Stanford University. (With V. C. McLoyd)

Analytical and technical report of the National Infant Care Study. Done under contract no. HHS105-80-C-041; SB9408(a)80-C-595, Office of Developmental Services, A.C.Y.S., Department of Health and Human Services, February 18, 1983. (Authors: William Hayes, Grace Massey, Ewart Thomas, Jane David, Constance Milbrath, Angela Buchanan, and Alicia Lieberman)

Literacy practice in families of low-income black preschool children, 1985, Stanford University (With A.B. Anderson)