

Virginia Tech Department of Statistics Technical Reports

Box 1

TR	Title	Date	By	2 nd	3 rd
86-5	Fractional Principal Components Regression: A General Approach To Biased Estimators	October 1, 1986	Wonwoo Lee	Jeffrey B. Birch	
88-4	Graphical Assessment of the Prediction Capability of Response Surface Designs	March 8, 1988	Ann Giovannitti-Jensen	Raymond H. Myers	
88-5	A Mean Squared Error Approach To Multiple Observation Regression Diagnostics	April 10, 1988	G. Geoffrey Vining	Raymond H. Myers	
88-18	Hatlink: A Model-Robust Approach To Regression	July 1, 1988	Richard L. Einsporn	Jeffrey B. Birch	
88-21	Corrigenda And Addenda To "The Fractional Dimensional Theory Of Continued Fractions"	August 5, 1988	I.J. Good		
88-23	A Graphical Comparison Of Designs For Response Optimization Based On Slope Estimation	August 23, 1988	Kimberly Kearns Hockman	Raymond H. Myers	
88-26	Physical Numerology	December 30, 1988	I.J. Good		
89-3	Some Ideas Related To The Estimation Of Oil And Gas Reserves: A Reply To Questions Put To Me By The Princeton University Department Of Statistics	January 6, 1989	I.J. Good		
89-4	Robust Window Operators	January 24, 1989	Paul J. Besl	Jeffrey B. Birch	Layne T. Watson
89-8	Scientific Speculation On The Paranormal And the Parasciences	March 23, 1989	I.J. Good		
89-9	Speculations Concerning The Future Of Statistics	March 23, 1989	I.J. Good		
89-10	Genotype-Environment Interaction: Aspects Of Statistical Design, Analysis, And Interpretation	April 5, 1989	Klaus Hinkelmann	M. Singh	
89-13	A Quantal Hypothesis For Hadrons And The Judging Of Physical Numerology	June 5, 1989	I.J. Good		
89-16	Weight Of Evidence And The (Bayesian) Likelihood Ratio	July 11, 1989	I.J. Good		
89-17	Variance Dispersion Graphs: Case Studies And Design Parameters For Second-Order Response Surface Designs	July 25, 1989	Raymond H. Myers	Ann Giovannitti-Jensen	Geoffrey Vining
89-19	A New Look At Experimental Design Robustness	December 11, 1989	Patrick A. DeFeo	Raymond H. Myers	
89-20	Some Linguistic "Errors" In Scientific And Other Writing	December 11, 1989 (Version of November 20, 1988)	I.J. Good		
90-1	Response Surface Alternatives To The Taguchi Approach	February 20, 1990	Raymond H. Myers	Andre I. Khuri	Geoffrey Vining
90-2	A Compromise Between Credibility And Subjective Probability	February 27, 1990	I.J. Good		

TR	Title	Date	By	2 nd	3 rd
90-3	Errata & Addenda To Publications	February 27, 1990	I.J. Good		
90-4	Shorter Publication List	February 27, 1990	I.J. Good		
90-5	The Resolution of the Clock Paradox and Dingle's Fallacy in Relativity Theory	April 18, 1990	I.J. Good		
90-5A	Dingle's Second Fallacy	April 4, 1990	I.J. Good		
90-11	Response Surface Methodology In Quality Improvement	August 14, 1990	Raymond H. Myers		
90-12	The Kinematics of Special Relativity, And Dingle's Fallacies	August 15, 1990	I.J. Good		
91-2	Real, Complex and Quaternionic Continued Fractions with Rounding	February 5, 1991	I.J. Good		
91-3	The Kinematics of Special Relativity, And Dingle's Fallacies	February 28, 1991	I.J. Good		
91-5	An Application of Graph Theory for Selecting Random Designs	April 17, 1991	I.J. Good		
91-6	Bifurcation, Return Points and Stability	May 3, 1991	Richard G. Krutchkoff		
91-7	Reviews of Good Thinking	May 16, 1991	I.J. Good		
91-8	Errata & Addenda To Publications	May 16, 1991	I.J. Good		
91-13	Bifurcation, The Relation	June 19, 1991	Richard G. Krutchkoff		

Virginia Tech Department of Statistics Technical Reports

Box 2

TR	Title	Date	By	2 nd
91-16	The Bayes/Non-Bayes Compromise: A Brief Review	July 30, 1991	I.J. Good	
91-16A	The Bayes/Non-Bayes Compromise: A Brief Review	October 1, 1991	I.J. Good	
91-16B	The Bayes/Non-Bayes Compromise: A Brief Review (The longer version)	November 15, 1991	I.J. Good	
91-17	A Monte Carlo Comparison of Several Robust Testing Procedures in Regression	August 20, 1991	Jeffrey B. Birch	David B. Agard
91-19	Stochastic Self Similarity And Its Fractal Dimension	October 22, 1991	Richard G. Krutchkoff	
91-24	Intelligence and Creativity (part of a colloquium)	December 16, 1991	I.J. Good	
91-26	Experimental Design Comparisons for Taguchi's Robust Parameter Design - Preliminary Results	December 31, 1991	Paul T. Savarese	Raymond H. Myers
92-2	Estimation And Inference In Multiple Regression Using Robust Weights: A Unified Approach	February 28, 1992	Jeffrey B. Birch	
92-3	The Mathematics of Philosophy, A Brief Review Of My Work	February 28, 1992	I.J. Good	
92-5	Spherical Correlation And The Analogy Between Partial Derivatives And Partial Correlation	March 5, 1992	I.J. Good	
92-7	A Rapid Clustering Method, With A Significance Test, Exemplified By DNA Homology	April 21, 1992	I.J. Good	John L. Johnson
92-11	Influence and Sensitivity of an F-test Based on Robust Weights	September, 1992	David B. Agard	Jeffrey B. Birch
92-12	A Response Surface Approach To Data Analysis In Robust Parameter Design	September, 1992	Yoon G. Kim	Raymond H. Myers
92-13	Optimal Designs for a Bivariate Logistic Regression Model	November, 1992	Mark A. Heise	Raymond H. Myers
93-1	A Duality Property of a Familiar Recurrence Relation	January 25, 1993	I.J. Good	
93-3	Trigonometrical Factorization Of The Fibonacci And Lucas Numbers, And Sums Of Powers Of Cotangents	February 11, 1993	I.J. Good	
93-4	A Tentative Measure Of Probabilistic Causation Relevant To The Philosophy Of The Law	March 4, 1993	I.J. Good	
93-5	Model-Robust Regression: Using Nonparametric Regression To Improve Parametric Regression Analyses	April 16, 1993	Richard L. Einsporn	Jeffrey B. Birch
93-10	Sequential Design Augmentation Under Model Misspecification Using the BIIV Criteria	June 11, 1993	Sindee Sutherland	Jeffrey B. Birch
93-10	Causal Tendency, Necessitivity and Sufficiency: An Updated Review	July 8, 1993	I.J. Good	
93-11	Improving Predictions By Combining Least Squares And Kernel Regression Prediction Weights	June 14, 1993	Richard L. Einsporn	Jeffrey B. Birch
93-15	Design And Analysis For A Two Level Factorial Experiment In The Presence Of Dispersion Effects	August 18, 1993	Darcy P. Mays	Raymond H. Myers

TR	Title	Date	By	2 nd
93-18	The Self-Consistency of the Kinematics of Special Relativity	November 23, 1993	I.J. Good	
93-17	Updated Notes For A Colloquium	September 23, 1993	I.J. Good	
94-4	Legal Responsibility And Causation	June 7, 1994	I.J. Good	
94-9	Enigma and Fish	August 26, 1994	I.J. Good	
94-12	Partly-Baked Ideas, 28 columns in the Mensa Journal and Bulletin	October 3, 1994	I.J. Good	
95-2	The Probability That A Batterer Was The Murderer	March 21, 1995	I.J. Good	
95-3	Lorentz Matrices: A Review	June 14, 1995	I.J. Good	
95-4	Trend-free Box-Behnken designs	June 30, 1995	Klaus Hinkelmann	Jinnam Jo
96-4	Bayes Factors, Batterers, Murderers, And Barristers	May 6, 1996	I.J. Good	
96-6	Model-Robust Quantal Regression	July 16, 1996	Quinton J. Nottingham	Jeffrey B. Birch

Virginia Tech Department of Statistics Technical Reports

Box 3

TR	Title	Date	By	2 nd	3 rd	4 th
96-7	Bayesian Two Stage Design Under Model Uncertainty	May 29, 1996	Angela R. Neff	Raymond H. Myers	Keying Ye	
96-8	Experimental Design Issues In Impairment Modeling	September 6, 1996	Lisa M. Chiacchierini	Raymond H. Myers	Eric P. Smith	
96-9	Experimental Design Issues In Impairment Modeling Using Poisson Regression Models	September 6, 1996	Lisa M. Chiacchierini	Raymond H. Myers		
96-11	Model Robust Regression: Combining Parametric, Nonparametric, and Semiparametric Methods	September 6, 1996	James E. Mays	Jeffrey B. Birch		
96-13	A One-Way Analysis Of The Relationship Between Cylindrical Variables	December 16, 1996	Christine M. Anderson-Cook			
97-1	Legal Responsibility And Causation	January 27, 1997	I.J. Good			
97-2	The Self-Consistency Of The Kinematics Of The Special Theory Of Relativity, III	February 13, 1997	I.J. Good			
97-3	The Small Sample Behavior Of Logistic Regression In A Bioassay Setting	March 16, 1997	Quinton J. Nottingham	Jeffrey B. Birch		
97-4	Bayes Factors, Weights Of Evidence And The Law A Book Review By I.J. Good Of Joseph B. Kadane & David A. Schum "A Probabilistic Analysis Of The Sacco And Vanzetti Evidence"	March 26, 1997	I.J. Good			
97-5	The Excess Of Even Numbers Of Carbon Atoms In Organic Compounds, And Eddington's Fisherman's Fallacy: Dogs, Hot Dogs, And Astronomers	April 8, 1997	I.J. Good			
97-6	An Introduction To Cooley And Tukey's 1965 Paper On The FFT	June 24, 1997	I.J. Good			
98-2	Smoothing Considerations In Nonparametric And Semiparametric Regression	February 12, 1998	James E. Mays	Jeffrey B. Birch		
98-11	The 1998 "Computer Pioneer Award" Of The IEEE Computer Society	November 9, 1998	I.J. Good			
99-6	Monte Carlo Method	May 27, 1999	I.J. Good			
99-7	Turing's Anticipation of Empirical Bayes in Connection with the Cryptanalysis of the Naval Enigma	September 2, 1999	I.J. Good			
99-9	Modeling Non-Monotonic Dose-Response Curves	November 9, 1999	Quinton J. Nottingham	Jeffrey B. Birch	Barry A. Bodt	

TR	Title	Date	By	2 nd	3 rd	4 th
00-1	Mixing Procedures And Asymptotically Optimal Estimates For model-Robust Regression	February 22, 2000	James E. Mays	Jeffrey B. Birch	B. Alden Starnes	
01-5	A Correction To One of Einstein's Derivations Of The Lorentz Transformation	April, 2001	I.J. Good			
01-6	The Self-Consistency of the Kinematics Of Special Relativity, V	July 14, 2001	I.J. Good			
02-1	Dual Model Robust Regression: Mean Squared Error Results	May 21, 2002	Timothy J. Robinson	Jeffrey B. Birch		
02-2	Dual Model Robust Regression: Robust To Model Misspecification	May 21, 2002	Timothy J. Robinson	Jeffrey B. Birch	B. Alden Starnes	
02-3	From Hut 8 To The Newmanry	July 1, 2002	I.J. Good			
03-3	A Hodges-Lehmann Estimator Of Preferred Direction For Circular Data	July 23, 2003	B. Sango Otieno	Christine M. Anderson-Cook		
03-4	Use Of Standard Factorial Designs With Generalized Linear Models	August 20, 2003	Alyaa R. Zahran	Raymond H. Myers		
03-5	Phase I Analysis Of Nonlinear Quality Profiles Of Products And Processes	November 10, 2003	James D. Williams	William H. Woodall	Jeffrey B. Birch	
04-1	Fraction Of Design Space Plots For Examining Model Robustness	January 27, 2004	Ayca Ozol Godfrey	Christine M. Anderson-Cook	Douglas C. Montgomery	
04-2	Synchronizing Ridge Regression By Targeting Minimavity	April, 2004	Dan J. Spitzner			
04-3	Fraction Of Design Space Plots For Generalized Linear Models	July 29, 2004	Ayca Ozol Godfrey	Christine M. Anderson-Cook	Raymond H. Myers	
04-4	Three-Dimensional Variance Dispersion Graphs For Split Plot Designs	August 5, 2004	Li Liang	Christine M. Anderson-Cook	Timothy J. Robinson	Raymond H. Myers
04-5	Distributional Properties Of The Multivariate T^2 Statistic Based On The Successive Differences Covariance Matrix Estimator	September 30, 2004	James D. Williams	William H. Woodall	Jeffrey B. Birch	Joe H. Sullivan
05-1	Cost Penalized Estimation And Prediction Evaluation For Split-Plot Designs	February 4, 2005	Li Liang	Christine M. Anderson-Cook	Timothy J. Robinson	
05-3	Speculations Concerning The First Ultraintelligent Machine	March 3, 2005	I.J. Good			