

Scholarly contributions of Mikēlis Bickis

A=poster, O=oral presentation by self, o=oral presentation by co-author,
P=unrefereed printed paper, R=refereed printed paper, T=technical report.

1. Bickis, M., 1974. An optimal test for interaction in a 2×2 experiment with Poisson variates. Washington State University Conference on Biomathematics and Biostatistics, Pullman. O
2. Bickis, M., 1975. Economics of sampling for purposes of control. Entomology Society of Manitoba, Annual Meeting, Winnipeg, Manitoba. O
3. F.L. Watters and M.G. Bickis, 1978. Comparison of mechanical handling and mechanical handling supplemented with malathion admixture to control rusty grain beetle infestations in stored wheat. *Journal Economic Entomology*, **71**, 667–669. R
4. Turnock, W.J., G.H. Gerber, M. Bickis, and R.B. Bennett, 1978. The applicability of x-ray energy-dispersive spectroscopy to the identification of populations of red turnip beetle, *Entomoscelis americana* (Coleoptera: Chrysoneleidae). *The Canadian Entomologist*, **111**, 113–125. R
5. Arnold, D. and M. Bickis, 1980. The effect of sodium saccharin upon several urinary components of the rat and statistical evaluation thereof. Toxicology Forum, Aspen. o
6. Bickis, M., D. Krewski, and D. Arnold, 1980. Statistical procedures for assessing the reversibility of chemically induced toxicological change. Federation of Canadian Biological Societies, Annual Meeting, St. John's, New Brunswick. o
7. Bickis, M., 1981. Precision and accuracy in aflatoxin analysis. Association of Official Analytical Chemists, Ottawa, Ontario. O
8. Krewski, D., J. Brennan, and M. Bickis, 1981. The power of the Fisher permutation test in $2 \times k$ tables. American Statistical Association, Annual Meeting, Detroit. o
9. Arnold, D., M. Bickis, E. Nera, P. McGuire, I. Munro, 1982. Assessing the reversibility of thyroid lesions that result from feeding ETU. Society of Toxicology, Annual Meeting, Boston, Mass. o
10. Sen, N.P., S. Seaman, and M. Bickis, 1982. Determination of n-nitro- sodimethylamine in beer: An international collaborative study. *Journal of the Association of Official Analytical Chemists*, **65**, 720–729. R
11. Bickis, M., J. Brennan, and D. Krewski, 1983. A comparison of the exact power of three bioassay designs. Statistical Society of Canada, Annual Meeting, Vancouver, B.C. O
12. Krewski, D. J. Brennan and M. Bickis, 1983. The power of the Fisher permutation test in $2 \times k$ tables. Carleton Mathematical Series No. 201, Department of Mathematics and Statistics, Carleton University, Ottawa. T
13. Krewski, D., J. Kovar, D. Arnold and M. Bickis, 1983. Optimal experimental designs for low dose extrapolation I. The case of zero background. Carleton Mathematical Series No. 200, Department of Mathematics and Statistics, Carleton University, Ottawa. T
14. Krewski, D., J. Kovar, and M. Bickis, 1983. Optimal experimental designs for low dose extrapolation II. The case of non-zero background. Carleton Mathematical Lecture Note 47, Department of Mathematics and Statistics, Carleton University, Ottawa. T
15. Bickis, M. 1984. Estimating the power of a screening procedure. Statistical Society of Canada, Annual Meeting, Guelph, Ontario. O

16. Krewski, D. and M. Bickis, 1984. A note on independent and exhaustive events. *American Statistician*, **38**, 290–291. R
17. Krewski, D. and M. Bickis, 1984. Statistical issues in toxicology, Society of Toxicology of Canada, Annual Meeting, Montreal. o
18. Krewski, D., J. Brennan, and M. Bickis, 1984. The power of the Fisher permutation test in $2 \times k$ tables. *Communications in Statistics, Simulation and Computation*, **13**, 433–448. R
19. Krewski, D., J. Kovar and M. Bickis, 1984. Optimal experimental designs for low dose extrapolation. *Topics in Applied Statistics* (Y.P. Chaubey and T.W. Dwivedi, eds.), Department of Mathematics, Concordia University, Montreal, 167–191. R
20. Bickis, M. and D. Krewski, 1985. Statistical Issues in the analysis of the long term carcinogenicity bioassay in small rodents: an empirical evaluation of statistical decision rules. Technical report series of the laboratory for research in Statistics and Probability, 65, Carleton University, Ottawa. T
21. Bickis, M. and D. Krewski, 1985. The statistical design and analysis of the long term carcinogenicity bioassay. *Toxicological Risk Assessment, I*, (D. Clayson, D. Krewski, I. Munro, eds.) CRC Press, Boca Raton, 125–148. R
22. Bickis, M., 1985. Information loss due to censoring and dichotomization. Statistical Society of Canada, Annual Meeting, Winnipeg, Manitoba. O
23. Bickis, M., 1985. Some statistical problems in analytical chemistry. Agriculture Canada Statistical Workshop, October, Saskatoon, Saskatchewan. O
24. Bickis, M., 1985. Statistical decision rules in carcinogenicity testing. Ottawa Chapter of the American Statistical Association Seminar, November, Ottawa, Ontario. O
25. Arnold, D.L., P.F. McGuire, E.A. Nera, K.F. Karpinski, M.G. Bickis, Z.Z. Zawidzka, S. Fernie and R.F. Vesonders, 1986. The toxicity of orally administered deoxyribovalenol (vomitoxin) in rats and mice. *Food Chemical Toxicology*, **24**, 935–941. R
26. Bickis, M. and D. Krewski, 1986. Computation of operating characteristics of exact permutation tests for bioassays with litter structure. Biometric Society, Spring Regional Meeting, March, Atlanta, Georgia. O
27. Bickis, M., 1986. Computational algorithms for a class of discrete multivariate probability distributions. Invited seminar, University of Regina, October, O
28. Krewski, D., M. Bickis, J. Kovar and D. Arnold, 1986. Optimal experimental designs for low dose extrapolation I. The case of zero background. *Utilitas Mathematica*, **29**, 245–262. R
29. Polley, L. and M.G. Bickis, 1987. Gastro Intestinal Nematode parasites in Saskatchewan Cattle: Egg count distribution in beef animals. *Canadian Journal of Veterinary Research*, **51**, 465–469. R
30. Bickis, M. and D. Krewski, 1989. Statistical Issues in the analysis of the long term carcinogenicity bioassay in small rodents: an empirical evaluation of statistical decision rules. *Fundamental and Applied Toxicology*, **12**, 202–221. R
31. Uitti, R., A. Rajput, B. Rozdilsky, M. Bickis, T. Wollin, and W. Yuen, 1989. Regional Metal Concentrations in Parkinson's Disease, other chronic neurological diseases and control brains. *Canadian Journal of Neurological Sciences*, **16**, 310–314. R
32. Arnold, D.L., J. Mes, F. Bryce, K. Karpinski, M.G. Bickis, Z.Z. Zawidzka, and R. Stapely, 1990. A pilot study on the effect of Aroclor 1254 ingestion by rhesus and cynomolgus monkeys as a model for human ingestion of PCBs. *Food Chemical Toxicology*, **28**, 847–857. R

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34. Iwaasa, I.D., R.D.M. Cohen, V.J. Racz and M.G. Bickis, 1990. The Evaluation of Near Infrared spectroscopy for the Prediction of Nutritive Value of Forages for Ruminants. Presented at the Canadian Society of Animal Science Meeting, July, Penticton, B.C. o
35. M.G. Bickis, 1990. A quick algorithm for trimming trees. Second Conference on Lattice Path Combinatorics and Applications, July, Hamilton, Ontario. O
36. M.G. Bickis, 1990. The Relative Merits of Model Based vs. Randomization Based Inference. Drug Information Association Workshop on Optimization Methods in Drug Development, October, Bethesda, MD. O
37. Krewski, D., M. Bickis, D. Gaylor, D. Colin & M. Szyszkowicz, 1991. Statistical Properties of a Model-Free Approach to Low-Dose Extrapolation. *The Analysis, Communication, and Perception of Risk*, Garrick & Gekler (eds), Plenum Press, New York, 693–705. P
38. Krewski, Daniel & Mikelis Bickis, 1991. Statistical Issues in Toxicological Research. In Krewski & Franklin (eds) *Statistics in Toxicology*, New York, Gordon & Breach Science Publishers, 11–41. P
39. M.G. Bickis, 1991. Multiple Comparisons and Partial Orders, Statistical Society of Canada, Annual Meeting June, Toronto, Ontario. O
40. M. Bickis, 1991. Clearing up Math misunderstanding, letter to the Editor, Saskatoon Star-Phoenix, July 30. P
41. Bickis, M. and X. Wang, 1991. Bandit processes and clinical trials. Invited seminar, October, Carleton University, O
42. N.L. Kobrinsky, E.D. Israels, and M.G. Bickis, 1991. Synergistic shortening of the bleeding time by desmopressin and ethamsylate in patients with various constitutional bleeding disorders. *American Journal of Pediatric Hematology/Oncology*, **13**, 437–441. R
43. Bickis, M., 1992. "Can Women do Mathematics?" Scientific session sponsored by the Statistical Society of Canada, Ottawa, November. O
44. Bickis, M. and X. Wang, 1993. Optimal Sequential Selection with Censored Data:, Annual Meeting of the Statistical Society of Canada, Wolfville, N.S., June. o
45. Bickis, M., R. Smythe, R. and D. Krewski, 1993. Asymptotic theory for the Comparison of Two Treatments with Correlated Binary Responses. Annual Meeting of the American Statistical Association, August, San Francisco, CA. o
46. Bickis, M., S. Bleuer, and D. Krewski, 1993. On the Estimation of the Proportion of Positives in a Sequence of Screening Experiments. Technical Report Series of the Laboratory for Research in Statistics and Probability, 218. Carleton University/University of Ottawa. T
47. Bickis, M. 1994. A natural property of least squares estimation. Annual Meeting of Statistical Society of Canada., May, Banff, Alberta. O
48. Bickis, M. and X. Wang, 1994. Clinical trials as a measure-valued process, 17th International Biometrics Conference, Hamilton, Aug 8–12. O
49. Dorotich, P., E. Sprigings, G. Watson, and M. Bickis, 1994. Effect of load position on gliding velocity of Nordic skis. Proceedings, 8th Biennial Conference, Canadian Society for Biomechanics, Calgary, Aug 18–20. o

50. Bickis, M. 1995. Differentiable structure of infinite-dimensional spaces of probability measures. Statistical Society of Canada/Institute of Mathematical Statistics joint Annual Meeting, July, Montreal, PQ. O
51. M. Bickis, I.W. Kelly and G.F. Byrnes, 1995. Crisis calls and temporal and lunar variables: a comprehensive examination. *Journal of Psychology*, **129**, 701–711. R
52. M.G. Bickis, 1995. Differentiable structure of infinite-dimensional spaces of probability measures. Department of Mathematics and Statistics, University of Saskatchewan, TRE-95-6, October 30, 1995, 14 pages. P
53. Mikelis Bickis, Susana Bleuer, and Daniel Krewski, 1996. On the estimation of the proportion of positives in a sequence of screening experiments. *Canadian Journal of Statistics*, **24**, 1–15. R
54. Bickis, M., 1997. De l'estimation de la proportion de positifs dans une suite d'expériences de dépistage. Canadian Journal of Statistics prize address. Annual Meeting of the Statistical Society of Canada, Fredericton, June. O
55. Bickis, M., 1997. Extending Simpson's Paradox. Annual Meeting of the Statistical Society of Canada, Fredericton, June. O
56. Bickis, M., 1998. The Torsion of Three Dimensional Random Walk. In S.G. Whittington, D.W. Sumners and T. Lodge (eds.). *Topology and Geometry in Polymer Science*, Springer-Verlag, **23-28**. P
57. M. Bickis, 1998. The real paradox of Ali and Baba. *Liasion*, **12#2** , 20–25. P
58. Bickis, M., 1999. Causal Issues in Biostatistics. Fields Institute Program on Causal Interpretation and Identification of Conditional Independence Structure, Toronto, October 15. O
59. Bickis, M., 2000. Modelling the Information Gathering Process. Colloquium, Department of Statistics, University of Manitoba, Winnipeg, October 17. O
60. Bickis, M. 2000. Experiences with uses of computer technology in courses. Second Annual Mathematics Chairs Meeting, Toronto, November 18. O
61. Mikelis G. Bickis, 2001. The asymptotic distribution of spacings of order statistics. Second Statistics Workshop, July 4–5, University of Manitoba, Winnipeg. O
62. R.T. Smythe, M.G. Bickis, D. Krewski, and K.Y. Fung, 2001. Efficiency of experimental designs for comparing two treatments with correlated binary responses. *Journal Statistical Planning and Inference*, **99**, 151–173. R
63. Bickis, M. and A. Simchi, 2002. A Central Limit Theorem for Randomized Linear Functions. (Poster) European Meeting of Statisticians, Prague, August 19–23. A
64. M. Bickis and E. Neufeld, 2002. A variation on the puzzle of two envelopes. *Proceedings of FLAIRS 2002*, May 14–16, Pensacole Beach, Florida, AAAI Press, 493–497. R
65. Mikelis G. Bickis, 2002. The asymptotic distribution of spacings of order statistics, in *Recent Advances in Statistical Methods*. (Proceedings of the Fourth Canadian Conference in Applied Statistics, Montreal, July 6–8), **2001**. Y.P. Chaubey, ed. World Scientific, 42–49. R
66. Mikelis G. Bickis, Ugis Bickis, and Tom Beardall. 2002. Application of statistical principles to the determination of occupational health risk. Statistical Society of Canada Annual Meeting, Hamilton, Ontario, May 26–29. O
67. Bickis, M., 2003. Asymptotic distributions induced by random permutations. Second Saskatchewan Mini meeting, Saskatoon, Feb. 5. O

68. X. Wang and M. Bickis, 2003. One-armed bandit models with continuous and delayed responses. *Math. Methods in Operations Research*, **58**, 209–219. R
69. M. Bickis and M. Bremner, 2004. Statistical aspects of John Cages Etudes Australes presented (by Bremner) at 993 meeting of the American Mathematical Society, Phoenix, Arizona, January 9. o
70. M. Bickis, 2004. Determining posterior P-values from empirical distributions. (Poster) World Congress of the International Society for Bayesian Analysis, Via del Mar, Chile, May 25. A
71. Bickis, Mikelis, 2004. Coping with multiplicity by exploiting the empirical distribution of P-values. Contributed paper, 6th World Congress of the Bernoulli Society & 67th Annual Meeting of the Institute of Mathematical Statistics, Barcelona, Spain, July 29. O
72. Shoman N., S. Klassen, A. McFadden, M.G. Bickis, E. Torlakovic, R. Chibbar, 2005. Reduced PTEN expression predicts relapse in patients with breast carcinoma treated by tamoxifen. *Modern Pathology*, **18**, 250–259. R
73. Zhang, Chenhong, Anthony Kusalik, and Mik Bickis, 2005. An improved fully-connected hidden Markov model for rational vaccine design. Poster, 13th Annual International Conference on Intelligent Systems for Molecular Biology, Detroit, June 25–29. A
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75. Babiuk, Shawn, Benjamin Horseman, Chenhong Zhang, Mik Bickis, Anthony Kusalik, Lawrence B. Shook, Mitchell S. Abrahamsen, and Reno Pontarollo, 2007. BoLA class I allele diversity and polymorphism in a herd of cattle. *Immunogenesis*, **167**-176. R
76. Bickis, Mikelis and Ugis Bickis, 2007. Predicting the next pandemic: An exercise in imprecise hazards, ISIPTA'07. Fifth International Symposium on Imprecise Probability: Theories and Applications, Prague. pp. 41–46. R
77. Hossain, Md. Alomgir, Helen H. McDuffie, Mikelis G. Bickis, and Punam Pahwa, 2007. Case-control study on occupational risk factors for soft-tissue sarcoma, *Journal of Occupational and Environmental Medicine*, **49**, pp. 1386–1393. R
78. Kusalik, Anthony, Mikelis Bickis, Christopher Lewis, Ying Li, Guglielmo Lucchese, Francesco M. Marincola, and Darja Kanduc, 2007. Widespread and ample peptide overlapping between HCV and Homo sapiens proteomes. *Peptides*, **28**, pp. 1260–1267. R
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80. Yin, Yaling, Mikelis Bickis, and Chris Soteros. 2007. A further note on controlling the false discovery rate. Statistical Society of Canada, St. John's, NL, June. o
81. Mikelis Bickis and Eric Neufeld, 2007. Visualizing inequity. Statistical Society of Canada, St. John's, NL, June. O
82. M.G. Bickis, 2008. Predicting the next pandemic: An exercise in imprecise hazards. Seminar, University of Manitoba, Department of Statistics, 29 February 2008, Winnipeg, MB. O
83. Neufeld, Eric, Mikelis Bickis, and Kevin Grant, 2008. Extending the dimensionality of flatland with attribute view probabilistic models. Visualization and Data Analysis, January 2008, San Jose, California. R

84. Yin, Yaling, Christine E. Soteros, and Mikēlis Bickis, 2009. A clarifying comparison of methods for controlling the false discovery rate. *Journal of Statistical Planning and Inference* **139**, 2126–2137. R
85. Bickis, Mikelis, 2009. The imprecise logit-normal model and its application to estimating hazard functions. *Journal of Statistical Theory and Practice*, **3**, 183–195. R
86. Bickis, Mikēlis , Tony Kusalik, Brett Trost, and Darja Kanduc, 2009. On the distribution of frequencies of oligopeptides. Contributed paper, 3rd Annual Meeting of the Prairie Network for Research in Mathematical Sciences, Saskatoon, SK, April 29. O
87. Bickis, Mikelis, 2009. Teaching regression using interactive visualization. Contributed paper, 37th Annual Meeting, Statistical Society of Canada, Vancouver, BC, June 3. O
88. Kusalik, Anthony, Brett Trost, Mik Bickis, Candida Fasano, Giovanni Capone, and Darja Kanduc, 2009. Codon number shapes peptide redundancy in the universal proteome composition. *Peptides*, to appear. R

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