

Publications R.D. Gill

Preprints

- [1] Anevski, D., Gill, R. D., and Zohren, S. (2013), Estimating a probability mass function with unknown labels. Near completion, to be submitted to *Ann. Statist.*
- [2] Gill, R. D. (2012), Statistics, causality and Bell's theorem. Under revision for *Statistical Science*, arXiv:1207.5103.
- [3] Robins, J. M., VanderWeele, T. J., and Gill, R. D. (2012), A proof of Bell's inequality in quantum mechanics using causal interactions. Under revision for *Scand. J. Statist.*, arXiv:1207.4913.
- [4] Yamagata, K., Fujiwara, A., and Gill, R. D. (2012), Quantum local asymptotic normality based on a new quantum likelihood ratio. Submitted to *Ann. Statist.*, arXiv:1210.3749.
- [5] Gill, R. D. (2011), Anna Karenina and The Two Envelopes Problem. Near completion, <http://www.math.leidenuniv.nl/~gill/tep.pdf>.
- [6] Gill, R. D. (2009), Schrödinger's cat meets Occam's razor. To be completed, arXiv:0905.2723.

Publications

- [1] Gill, R. D. and Guță, M. I. (2013), On asymptotic quantum statistical inference, in: *From Probability to Statistics and Back: High-Dimensional Models and Processes (A Festschrift in Honor of Jon A. Wellner)* (M. Banerjee, F. Bunea, J. Huang, V. Koltchinskii, and M. H. Maathuis, eds.), vol. 9 of *IMS Collections*, pp. 105–127, IMS, arXiv:math/0512443.
- [2] Depuydt, L. and Gill, R. D. (2012), Higher variations of the Monty Hall problem (3.0 and 4.0) and empirical definition of the phenomenon of mathematics, in Boole's footsteps, as something the brain does, *Advances in Pure Mathematics* **2**, 243–273, arXiv:1208.2638.
- [3] Renema, J. J., Frucci, G., de Dood, M. J. A., Gill, R. D., Fiore, A., and van Exter, M. P. (2012), Tomography and state reconstruction with superconducting single-photon detectors, *Physical Review A* **86**, 062113 [6 pages], arXiv:1206.5145.
- [4] Gill, R. D. (2011), The Monty Hall problem is not a probability puzzle (it's a challenge in mathematical modelling), *Statistica Neerlandica* **65**(1), 58–71, arXiv:1002.0651.
- [5] Gill, R. D. (2011), Monty Hall problem: solution, in: *International Encyclopedia of Statistical Science* (M. Lovric, ed.), pp. 858–863, Springer, New York.

- [6] Gill, R. D. (2010), Lies, damned lies, and legal truths, in: *Het Binnenste Buiten (Liber Amicorum t.g.v. het Emeritaat van Aernout Schmidt)* (L. Mommers, H. Franken, J. van den Herik, F. van der Klaauw, and G. J. Zwenne, eds.), pp. 39–50, Law Faculty, Leiden.
- [7] Gill, R. D. and Keiding, N. (2010), Product-limit estimators of the gap time distribution of a renewal process under different sampling patterns, *Lifetime Data Analysis* **16**(4), 571–579.
- [8] Zohren, S., Reska, P., Gill, R. D., and Westra, W. (2010), A tight Tsirelson inequality for infinitely many outcomes, *Europhysics Letters* **90**(10002), arXiv:1003.0616.
- [9] Aalen, O. O., Andersen, P. K., Borgan, O., Gill, R. D., and Keiding, N. (2009), History of applications of martingales in survival analysis, *Electronic Journal for History of Probability and Statistics* **5**(1), www.jehps.net.
- [10] Gill, R. D. (2009), Statistics, ethics and probiotica, *Statistica Neerlandica* **63**, 1–12.
- [11] Gill, R. D. (2008), Conciliation of Bayes and pointwise quantum state estimation, in: *Quantum Stochastics and Information: statistics, filtering and control* (V. P. Belavkin and M. Guță, eds.), pp. 239–261, World Scientific, arXiv:math.ST/0512443.
- [12] Gill, R. D. and Grünwald, P. D. (2008), An algorithmic and a geometric characterization of coarsening at random., *Ann. Statist.* **36**, 2409–2422, arXiv:math.ST/0510276.
- [13] Schmidt, A. and Gill, R. (2008), Over statistisch bewijs, *Expertise en Recht* (5), 160–169.
- [14] Zohren, S. and Gill, R. D. (2008), On the maximal violation of the Collins-Gisin-Linden-Massar-Popescu inequality for infinite dimensional states, *Phys. Rev. Lett.* **100**(120406), arXiv:quant-ph/0612020.
- [15] Zohren, S. and Gill, R. D. (2008), On the maximal violation of the Collins-Gisin-Linden-Massar-Popescu inequality for infinite dimensional states., *Phys. Rev. Lett.* **100**, 120406(4), arXiv:quant-ph/0612020.
- [16] Gill, R. D. (2007), Better Bell inequalities, in: *Quantum Communication and Security* (M. Żukowski, S. Kilin, and J. Kowalik, eds.), pp. 99–109, IOS Press.
- [17] Gill, R. D. (2007), Better Bell inequalities (passion at a distance), in: *Asymptotics: Particles, Processes and Inverse Problems: Festschrift for Piet Groeneboom* (E. A. Cator, G. Jongbloed, C. Kraaikamp, H. P. Lopuhää, and J. A. Wellner, eds.), vol. 55 of *IMS Monographs*, pp. 135–148, IMS, arXiv:math.ST/0610115.
- [18] Meester, R., Collins, M., Gill, R. D., and van Lambalgen, M. (2007), On the (ab)use of statistics in the legal case against the nurse Lucia de B., *Law, Probability and Risk* **5**, 233–250, arXiv:math.ST/0607340.

- [19] Bagan, E., Ballester, M. A., Gill, R. D., Monras, A., and Muñoz-Tapia, R. (2006), Optimal full estimation of qubit mixed states., *Phys. Rev. (A)* **73**, 032301(18), arXiv:quant-ph/0510158.
- [20] Bagan, E., Ballester, M. A., Gill, R. D., Muñoz-Tapia, R., and Romero-Isart, O. (2006), Separable measurement estimation of density matrices and its fidelity gap with collective protocols, *Phys. Rev. Lett.* **97**, 130501(4), arXiv:quant-ph/0512177.
- [21] Acin, A., Gill, R. D., and Gisin, N. (2005), Optimal Bell tests do not require maximally entangled states, *Phys. Rev. Letters* **95**, 210402(4), arXiv:quant-ph/0506225.
- [22] Artiles, L. M., Gill, R. D., and Guță, M. I. (2005), An invitation to quantum tomography, *J. Roy. Statist. Soc. (B)* **67**, 109–134, arXiv:math.ST/0405595.
- [23] van Dam, W., Gill, R. D., and Grünwald, P. D. (2005), The statistical strength of nonlocality proofs, *IEEE – Trans. Inf. Theory* **51**, 2812–2835, arXiv:quant-ph/0307125.
- [24] Gill, R. D. (2005), The chaotic chameleon, in: *Quantum Probability and Infinite Dimensional Analysis: from Foundations to Applications* (M. Schürmann and U. Franz, eds.), vol. 18 of *QP–PQ: Quantum Probability and White Noise Analysis*, pp. 269–276, World Scientific, Singapore, arXiv:quant-ph/0307217.
- [25] Gill, R. D. (2005), On an argument of David Deutsch, in: *Quantum Probability and Infinite Dimensional Analysis: from Foundations to Applications* (M. Schürmann and U. Franz, eds.), vol. 18 of *QP–PQ: Quantum Probability and White Noise Analysis*, pp. 277–292, World Scientific, Singapore, arXiv:quant-ph/0307188.
- [26] Larsson, J.-Å. and Gill, R. D. (2004), Bell’s inequality and the coincidence-time loophole, *Europhysics Letters* **67**, 707–713, arXiv:quant-ph/0312035.
- [27] Lok, J. J., Gill, R. D., van der Vaart, A. W., and Robins, J. M. (2004), Estimating the causal effect of a time-varying treatment on time-to-event using structural nested failure time models, *Statist. Neerlandica* **58**, 271–295, arXiv:math.ST/0409165.
- [28] Barndorff-Nielsen, O. E., Gill, R. D., and Jupp, P. E. (2003), On quantum statistical inference, *J. Roy. Statist. Soc. (B)* **65**, 775–816, With discussion and reply by the authors, arXiv:quant-ph/0307191.
- [29] Gill, R. D. (2003), Accardi contra Bell (cum mundi): The Impossible Coupling, in: *Mathematical Statistics and Applications: Festschrift for Constance van Eeden* (M. Moore, S. Froda, and C. Léger, eds.), vol. 42 of *IMS Lecture Notes – Monographs*, pp. 133–154, Institute of Mathematical Statistics, Beachwood, Ohio, arXiv:quant-ph/0110137.
- [30] Gill, R. D. (2003), Time, finite statistics, and Bell’s fifth position, in: *Foundations of Probability and Physics 2 (Växjö, 2002)*, vol. 5 of *Math. Model. Phys. Eng. Cogn. Sci.*, pp. 179–206, Växjö Univ. Press, Växjö, arXiv:quant-ph/0301059.

- [31] Gill, R. D., Weihs, G., Zeilinger, A., and Żukowski, M. (2003), Comment on ‘Exclusion of time in the theorem of Bell’ by K. Hess and W. Philipp, *Europhysics Letters* **61**, 282–283, arXiv:quant-ph/0204169.
- [32] D’Ariano, G. M., Gill, R. D., Keyl, M., Werner, R. F., Kümmerer, B., and Maassen, H. (2002), The quantum Monty Hall problem, *Quantum Inf. Comput.* **2**, 355–366, arXiv:quant-ph/0202120.
- [33] Gill, R. D. and Massar, S. (2002), State estimation for large ensembles, *Phys. Rev. (A)* **61**, 042312–042335, arXiv:quant-ph/9902063.
- [34] Gill, R. D., Weihs, G., Zeilinger, A., and Żukowski, M. (2002), No time loophole in Bell’s theorem: the Hess-Philipp model is nonlocal, *Proc. Natl. Acad. Sci. USA* **99**, 14632–14635 (electronic), arXiv:quant-ph/0208187.
- [35] Barndorff-Nielsen, O. E., Gill, R. D., and Jupp, P. E. (2001), Quantum information, in: *Mathematics Unlimited – 2001 and Beyond* (B. Engquist and W. Schmid, eds.), pp. 83–107, Springer, Berlin.
- [36] Gill, R. D. (2001), Asymptotics in quantum statistics, in: *State of the Art in Probability and Statistics (Leiden, 1999)* (A. van der Vaart, M. de Gunst, and C. Klaassen, eds.), vol. 36 of *IMS Lecture Notes – Monographs*, pp. 255–285, Inst. Math. Statist., Beachwood, OH, arXiv:math.ST/0405571.
- [37] Gill, R. D. (2001), Teleportation into quantum statistics, *J. Korean Statist. Soc.* **30**, 291–325, special issue to commemorate 30th anniversary of the Korean Statistical Society, arXiv:math.ST/0405572.
- [38] Gill, R. D. and Robins, J. M. (2001), Causal inference for complex longitudinal data: the continuous case, *Ann. Statist.* **29**, 1785–1811.
- [39] Barndorff-Nielsen, O. E. and Gill, R. D. (2000), Fisher information in quantum statistics, *J. Phys. (A)* **33**, 4481–4490, arXiv:quant-ph/9808009.
- [40] Hansen, M. B., Baddeley, A. J., and Gill, R. D. (1999), First contact distributions for spatial patterns: regularity and estimation, *Adv. in Appl. Probab.* **31**, 15–33.
- [41] van der Laan, M. J. and Gill, R. D. (1999), Efficiency of NPML in nonparametric missing data models, *Math. Methods Statist.* **8**, 251–276, special issue dedicated to Johann Pfanzagl on the occasion of his 70th birthday.
- [42] Gill, R. D. (1998), Critique of ‘Elements of quantum probability’ by B. Kümmerer and H. Maassen, in: *Quantum Probability Communications*, vol. X of *QP–PQ*, pp. 351–361, World Scientific, River Edge, NJ.
- [43] Krijnen, W. P., Dijkstra, T. K., and Gill, R. D. (1998), Conditions for factor (in)determinacy in factor analysis, *Psychometrika* **63**, 359–367.

- [44] Baddeley, A. J. and Gill, R. D. (1997), Kaplan-Meier estimators of distance distributions for spatial point processes, *Ann. Statist.* **25**, 263–292.
- [45] Borkowf, C. B., Gail, M. H., Carroll, R. J., and Gill, R. D. (1997), Analyzing bivariate continuous data grouped into categories defined by empirical quantiles of marginal distributions, *Biometrics* **53**, 1054–1069.
- [46] Gill, R. D. (1997), Nonparametric estimation under censoring and passive registration, *Statist. Neerlandica* **51**, 35–54.
- [47] Gill, R. D., van der Laan, M. J., and Robins, J. M. (1997), Coarsening at random: Characterizations, conjectures, counter-examples, in: *Proceedings of the First Seattle Symposium in Biostatistics: Survival Analysis* (D. Y. Lin and T. R. Fleming, eds.), vol. 123 of *Lecture Notes in Statistics*, pp. 255–294, Springer, Berlin.
- [48] Gill, R. D. and Robins, J. M. (1997), Sequential models for coarsening and missingness, in: *Proceedings of the First Seattle Symposium in Biostatistics: Survival Analysis* (D. Y. Lin and T. R. Fleming, eds.), vol. 123 of *Lecture Notes in Statistics*, pp. 295–305, Springer, Berlin.
- [49] Robins, J. M. and Gill, R. D. (1997), Non-response models for the analysis of non-monotone ignorable missing data, *Statistics in Medicine* **16**, 39–56.
- [50] Brands, S. and Gill, R. D. (1996), Cryptography, statistics and pseudorandomness, II, *Probab. Math. Statist.* **16**, 1–17.
- [51] Gill, R. D. and Keane, M. S. (1996), A geometric proof of the Kochen-Specker no-go theorem, *J. Phys. (A)* **29**, L289–L291, arXiv:quant-ph/0304013.
- [52] Hansen, M. B., Gill, R. D., and Baddeley, A. J. (1996), Kaplan-Meier type estimators for linear contact distributions, *Scand. J. Statist.* **23**, 129–155.
- [53] Petersen, J. H., Andersen, P. K., and Gill, R. D. (1996), Variance components models for survival data, *Statist. Neerlandica* **50**, 193–211.
- [54] Brands, S. and Gill, R. D. (1995), Cryptography, statistics and pseudorandomness, I, *Probab. Math. Statist.* **15**, 101–114, special issue dedicated to the memory of Jerzy Neyman.
- [55] Gill, R. D., van der Laan, M. J., and Wellner, J. A. (1995), Inefficient estimators of the bivariate survival function for three models, *Ann. Inst. H. Poincaré Probab. Statist.* **31**, 545–597.
- [56] Gill, R. D. and Levit, B. Y. (1995), Applications of the Van Trees inequality: a Bayesian Cramér-Rao bound, *Bernoulli* **1**, 59–79.
- [57] Gill, R. D. (1994), Glivenko-Cantelli for Kaplan-Meier, *Math. Methods Statist.* **3**, 76–87.

- [58] Gill, R. D. (1994), Lectures on survival analysis, in: *Lectures on Probability Theory (Saint-Flour, 1992)*, vol. 1581 of *Lecture Notes in Mathematics*, pp. 115–241, Springer, Berlin.
- [59] Goltermann, A. F. L., de Vries, R. A., van Stuivenberg, A., and Gill, R. D. (1994), Curve fitting of labeled platelets: gamma model expanded for severe pathology, *Int. J. Biomedical Computing* **35**, 231–245.
- [60] van Leeuwen, J. A., Jonker, R. J., and Gill, R. D. (1994), Octane number prediction based on gas chromatographic analysis with non-linear regression techniques, *Chemometric and Intelligent Laboratory Systems* **25**, 325–340.
- [61] Andersen, P. K., Borgan, Ø., Gill, R. D., and Keiding, N. (1993), *Statistical Models based on Counting Processes*, Springer Series in Statistics, Springer-Verlag, New York.
- [62] Gill, R. D. and van der Vaart, A. W. (1993), Non- and semi-parametric maximum likelihood estimators and the von Mises method. II, *Scand. J. Statist.* **20**, 271–288.
- [63] Doss, H. and Gill, R. D. (1992), An elementary approach to weak convergence for quantile processes, with applications to censored survival data, *J. Amer. Statist. Assoc.* **87**, 869–877.
- [64] Gill, R. D. (1992), Marginal partial likelihood, *Scand. J. Statist.* **19**, 133–137.
- [65] Gill, R. D. (1992), Multistate life-tables and regression models, *Math. Popul. Stud.* **3**, 259–276.
- [66] Gill, R. D. (1992), Multivariate survival analysis, I, *Teor. Veroyatnost. i Primenen.* **37**, 19–35.
- [67] Gill, R. D. (1992), Multivariate survival analysis, II: Methods, *Teor. Veroyatnost. i Primenen.* **37**, 307–328.
- [68] Heesterman, C. C. and Gill, R. D. (1992), A central limit theorem for M -estimators by the von Mises method, *Statist. Neerlandica* **46**, 165–177.
- [69] Nielsen, G. G., Gill, R. D., Andersen, P. K., and Sørensen, T. I. A. (1992), A counting process approach to maximum likelihood estimation in frailty models, *Scand. J. Statist.* **19**, 25–43.
- [70] Gill, R. D. and Johansen, S. (1990), A survey of product-integration with a view toward application in survival analysis, *Ann. Statist.* **18**, 1501–1555.
- [71] Gill, R. D. and Keilman, N. (1990), On the estimation of multi-dimensional demographic models with population registration data, *Math. Popul. Stud.* **2**, 119–143.
- [72] Keiding, N. and Gill, R. D. (1990), Random truncation models and Markov processes, *Ann. Statist.* **18**, 582–602.

- [73] Gill, R. D. (1989), Non- and semi-parametric maximum likelihood estimators and the von Mises method. I, *Scand. J. Statist.* **16**, 97–128, With a discussion by J. A. Wellner and J. Præstgaard and a reply by the author.
- [74] Andersen, P. K., Borgan, Ø., Gill, R. D., and Keiding, N. (1988), Censoring, truncation and filtering in statistical models based on counting processes, in: *Statistical Inference from Stochastic Processes (Proc. AMS-IMS-SIAM Jt. Summer Res. Conf., Ithaca/NY 1987)*, vol. 80 of *Contemp. Math.*, pp. 19–60, Amer. Math. Soc., Providence, RI.
- [75] Gill, R. D. (1988), Regression analysis for incomplete mixed cross-section and time-series data by a modified EM algorithm, *a (B)* **50**, 95–102.
- [76] Gill, R. D., Vardi, Y., and Wellner, J. A. (1988), Large sample theory of empirical distributions in biased sampling models, *Ann. Statist.* **16**, 1069–1112.
- [77] Gill, R. D. and Schumacher, M. (1987), A simple test of the proportional hazards assumption, *Biometrika* **74**, 289–300.
- [78] Gill, R. D. (1986), A note on some methods for regression analysis with incomplete observations, *a (B)* **48**, 19–30.
- [79] Gill, R. D. (1986), On estimating transition intensities of a Markov process with aggregate data of a certain type: ‘occurrences but no exposures’, *Scand. J. Statist.* **13**, 113–134.
- [80] Gill, R. D. (1986), The total time on test plot and the cumulative total time on test statistic for a counting process, *Ann. Statist.* **14**, 1234–1239.
- [81] Gill, R. D. (1984), Understanding Cox’s regression model: a martingale approach, *J. Amer. Statist. Assoc.* **79**, 441–447.
- [82] van Es, A., Gill, R. D., and van Putten, C. (1983), Random number generators for a pocket calculator, *Statist. Neerlandica* **37**, 95–102.
- [83] Gill, R. D. (1983), Large sample behaviour of the product-limit estimator on the whole line, *Ann. Statist.* **11**, 49–58.
- [84] Andersen, P. K., Borgan, Ø., Gill, R. D., and Keiding, N. (1982), Linear nonparametric tests for comparison of counting processes, with applications to censored survival data, *Int. Statist. Rev.* **50**, 219–258, With discussion and with a reply by the authors.
- [85] Andersen, P. K. and Gill, R. D. (1982), Cox’s regression model for counting processes: a large sample study, *Ann. Statist.* **10**, 1100–1120.
- [86] Gill, R. D. (1982), Understanding Cox’s regression model, in: *Proc. 2nd Heidelberg Symposium on Clinical Trials in Early Breast Cancer* (H. Scheurlen, M. Baum, and R. Kay, eds.), pp. 187–197, Birkhäuser, Basel.

- [87] Gill, R. D. (1981), Testing with replacement and the product limit estimator, *Ann. Statist.* **9**, 853–860.
- [88] Gill, R. D. (1980), *Censoring and Stochastic Integrals*, vol. 124 of *Mathematical Centre Tracts*, Mathematisch Centrum, Amsterdam.
- [89] Gill, R. D. (1980), Nonparametric estimation based on censored observations of a Markov renewal process, *Z. Wahrsch. Verw. Gebiete* **53**, 97–116.
- [90] Elffers, H., Bethlehem, J., and Gill, R. D. (1978), Indeterminacy problems and the interpretation of factor analysis results, *Statist. Neerlandica* **32**, 181–199.
- [91] Gill, R. D. (1977), Consistency of maximum likelihood estimators of the factor analysis model, when the observations are not multivariate normally distributed, in: *Recent Developments in Statistics (Proc. European Meeting Statisticians, Grenoble, 1976)*, pp. 437–440, North-Holland, Amsterdam.
- [92] Gill, R. D. (1976), The model of latent structure analysis, *Statist. Neerlandica* **30**, 143–149.

Miscellaneous

- [1] Gill, R. D. (2012), Simple refutation of Joy Christian’s simple refutation of Bell’s simple theorem, (Since I don’t wish to promote Christian’s work, I leave this paper unpublished though available on arXiv), arXiv:1203.1504.
- [2] Gill, R. D. (2004), Causal inference for complex longitudinal data: the continuous time g-computation formula, Mathematical Institute, University Utrecht, arXiv:math.ST/0409436.
- [3] Gill, R. D. (1998), Product-integration, in: *Encyclopedia of Statistical Science*, Wiley, New York.
- [4] Siersma, V., Franses, P. H., and Gill, R. D. (1998), Cointegration analysis in the presence of flexible trends, Mathematical Institute, University Utrecht.
- [5] Gill, R. D. (1997), Contribution to ‘Problems in the Research and Teaching of Statistics in the Physical Sciences’, *Bull. Int. Statist. Inst.* **57**(3), 223–225.
- [6] Gill, R. D. (1997), The impossible coupling: On hidden variables models in quantum mechanics, *Bull. Int. Statist. Inst.* **57**(2), 199–202.
- [7] Gill, R. D. (1997), Lies, dammed lies, and environmental statistics, in: *Diderot Mathematical Forum on the Environment*, Centrum voor Wiskunde en Informatica, Amsterdam.
- [8] Gill, R. D. (1997), Product-integration, in: *Encyclopedia of Biostatistics V*, pp. 3530–3534, Wiley, New York.
- [9] Gill, R. D. and Keiding, N. (1997), Hazard plotting, in: *Encyclopedia of Biostatistics III*, pp. 1815–1817, Wiley, New York.
- [10] Dorren, H. J. S., Snieder, R. K., and Gill, R. D. (1996), Error-propagation in weakly non-linear inverse problems, Mathematical Institute, University Utrecht.
- [11] Gill, R. D. (1996), Mathematical statistics: fringe or frontier?, in: *Images of SMC Research*, pp. 59–68, Foundation Mathematical Centre, Amsterdam.
- [12] Petoussis, K., Gill, R. D., and Zeelenberg, C. (1996), Statistical analysis of heaped duration data, Mathematical Institute, University Utrecht.
- [13] Gill, R. D. (1995), Discrete quantum systems, Mathematical Institute, University Utrecht, www.math.uu.nl/people/gill/Preprints/discrete.pdf.
- [14] Gill, R. D. (1995), Notes on hidden variables, Mathematical Institute, University Utrecht, www.math.uu.nl/people/gill/Preprints/hidden.pdf.

- [15] Baddeley, A. J. and Gill, R. D. (1994), The empty space hazard of a spatial pattern, Mathematical Institute, University Utrecht.
- [16] Gill, R. D. and Oudshoorn, C. G. M. (1994), Behendigheid bij fantasie 24? (Skill or chance in observation roulette?), *Kwantitatieve Methodes* **46**, 3–13.
- [17] Gill, R. D. (1990), Censurering en overleving, in: *Kaleidoscoop van de Wiskunde 1* (F. van der Blij and others, eds.), vol. 17 of *Epsilon Series*, pp. 61–71, Epsilon Publishers, Utrecht.
- [18] Gill, R. D. (1989), Missed chances: An essay of the interplay between mathematics and the real world, *CWI Quarterly* **2**, 117–129.
- [19] van der Horst, R. and Gill, R. D. (1988), *STATAL: Statistical Procedures in Algol 60, Part 1*, vol. 20 of *CWI Syllabi*, Centrum voor Wiskunde en Informatica, Amsterdam.
- [20] van der Horst, R. and Gill, R. D. (1988), *STATAL: Statistical Procedures in Algol 60, Part 2*, vol. 21 of *CWI Syllabi*, Centrum voor Wiskunde en Informatica, Amsterdam.
- [21] van der Horst, R. and Gill, R. D. (1988), *STATAL: Statistical Procedures in Algol 60, Part 3*, vol. 22 of *CWI Syllabi*, Centrum voor Wiskunde en Informatica, Amsterdam.
- [22] Gill, R. D. and Mettrop, W. (1987), De profeet, de missionaris en de handelsreiziger (interview met J. Hemelrijk, in: *Zij mogen uiteraard daarbij de zuivere wiskunde niet verwaarlozen* (G. Alberts, F. van der Blij, and J. Nuis, eds.), *CWI varia*, pp. 187–197, Centrum voor Wiskunde en Informatica, Amsterdam.
- [23] Gill, R. D. and Schriever, B. F. (1986), Invited discussion on a paper of Goodman on log-linear models and correspondence analysis, *Int. Statist. Rev.* **54**, 289–291, Amendment (1987), Vol. **55**, p. 229.
- [24] Gill, R. D. (1985), Invited discussion of D. Clayton and J. Cuzick, ‘Multivariate generalizations of the proportional hazards model’, *J. Roy. Statist. Soc. Ser. A* **148**, 108–109.
- [25] Gill, R. D. (1985), Invited discussion of papers by S. Lauritzen and N. Wermuth on mixed interaction models for mixed continuous and discrete multivariate data, *Bull. Inst. Int. Statist.* **51**(4), 24.5.1–24.5.2.
- [26] Gill, R. D. (1985), Statistical investigation of weather conditions in the German Bight near Sylt, Report MS-N8501, Mathematical Centre, Amsterdam.
- [27] Gill, R. D. (1984), Censoring and survival, in: *Vakantiecursus 1984: Hewet-plus Wiskunde*, vol. 1 of *CWI Syllabi*, pp. 107–117, Centrum voor Wiskunde en Informatica, Amsterdam.

- [28] Kallenberg, W. C. M. and others (1984), *Testing Statistical Hypotheses: Worked Solutions*, vol. 3 of *CWI Syllabi*, Centrum voor Wiskunde en Informatica, Amsterdam.
- [29] Gill, R. D. (1983), Invited discussion of papers by T. Kurtz and I. Helland on dependent central limit theory, *Bull. Inst. Int. Stat.* **50**(3), 239–243.
- [30] Gill, R. D. (1983), The sieve method as an alternative to dollar-unit sampling: the mathematical background, Report SN 12, Mathematical Centre, Amsterdam.
- [31] Borgan, Ø. and Gill, R. D. (1982), Case-control studies in a Markov chain setting, Report SW 89/92, Mathematical Centre, Amsterdam.
- [32] Andersen, P. K. and Gill, R. D. (1981), Invited discussion of D. Oakes, ‘Survival times: aspects of partial likelihood’, *Int. Statist. Rev.* **49**, 253–255.
- [33] Bethlehem, J., Does, R. J. M. M., and Gill, R. D. (1978), Verdelingsvrije methoden bij censurering (Distribution free methods under censoring), Report SN6, Mathematical Centre, Amsterdam.
- [34] Bethlehem, J., Elffers, H., Gill, R. D., and Rijvordt, J. (1978), Voetangels en klemmen in de factoranalyse (Methods and pitfalls in factor-analysis), Report SN7, Mathematical Centre, Amsterdam.