

Recent Publications

1. Sarhan, A., Hamilton, D.C. and Smith, B., Parameter Estimation for a two-parameter bathtub-shaped lifetime distribution, accepted Applied Mathematical Modelling Dec. 2011.
2. Horrocks, J. **Hamilton, D.C** and Whitehead, H., (2012), A likelihood approach to estimating abundance from binary acoustic transects, *Biometrics*, **67(3)**, pp. 681-690.
3. Mitchell, D., Sengpiel, F., Hamilton, D.C., Schwarzkopf, D.S., Kennie, J. (2011), Protection against deprivation amblyopia depends on relative not absolute daily binocular exposure, *Journal of Vision*, 11(7):13, pp. 1-13.
4. Sarhan, A.M, **Hamilton, D.C.** and Smith, R.B., (2011), The bivariate generalized linear failure rate distribution and its multivariate extension, *Comp. Stat. & Data Analysis*, **55**, 1, pp. 644-654.
5. McMullin, R.T., Duinker, P.N., Richardson, D.H.S., Cameron, R.P., **Hamilton, D.C.** and Newmaster, S.N., (2011), Relationships between the structural complexity and lichen community in coniferous forests of southwestern Nova Scotia. *Forest Ecology and Management*, 260, 744-749.
6. Sarhan, A.M, **Hamilton, D.C.** and Smith, R.B., (2010), Statistical analysis of competing risks models, *Reliability Engineering and System Safety*, 95, 953-962. <http://dx.doi.org/10.1016/j.res.2010.04.006>
7. Grover, V.K., Cole, D.E.C. and **Hamilton, D.C.**, (2010), Attributing Hardy-Weinberg disequilibrium to population stratification and genetic association in case-control studies. *Annals of Human Genetics*, 74(1), 77-87.
8. Enoki, R., Hu, Y-L, **Hamilton, D.C.** and Fine A. (2009), Expression of long-term plasticity at individual synapses in the hippocampus is graded, bidirectional, and mainly presynaptic: optical quantal analysis. *Neuron*, 62(2): 242-53.
9. **Hamilton, D.C.**, Grover, V.K., Smith, C.A. and Cole, D.E.C., (2009), Heterogeneous disease modeling for Hardy-Weinberg disequilibrium in case-control studies: Application to renal stones and calcium-sensing receptor polymorphisms. *Annals of Human Genetics*, 73,176-83.

10. **Hamilton, D.C.** and Cole, D.E.C., (2008), Testing for equality of standardized composite measures of linkage disequilibrium, *Annals of Human Genetics*, 72,2, 292-6.
11. **Hamilton, D.C.**, Liu, Q, and Cole, D.E.C., (2006), Approximate variance for a standardized composite measure of linkage disequilibrium, *Annals of Human Genetics*, 70,4, 535-40.
12. Dupuis, A., **Hamilton, D.C.**, Cole, D.E.C. and Corey, M., (2005), Cystic fibrosis birth rates in Canada: A decreasing trend since the onset of genetic testing, *The Journal of Pediatrics* 147(3), 312-315.
13. **Hamilton, D.C.** and Cole, D.E.C., (2004), Standardizing a composite measure of linkage disequilibrium, *Annals of Human Genetics*, 68, pp. 234-9.
14. MacNeil, S., Dodds, L., **Hamilton, D.C.**, Armson, B.A. and M. Vandan-Hof, (2001) Rates and risk factors for recurrence of gestational diabetes. *Diabetes Care*, **24**, 659-662.
15. Downer, R.G. and **Hamilton, D.C.**, (2000). A penalized multinomial approach to smoothed estimation of disease incidence. *Biometrical Journal*, **42**, 4, 395-415.
16. Dupuis, D.J. and **Hamilton, D.C.**, (2000), Regression residuals and test statistics: Assessing naive outlier deletion. *Canadian Journal of Statistics*, 28, 2, 259-275.
17. Chauhan, B.C., Blanchard, J.W., **Hamilton, D.C.**, LeBlanc, R.P., (2000), Technique for detecting serial topographical changes in the optic disc and peripapillary retina using scanning laser tomography, *Investigative Ophthalmology and Visual Science*, **41**, 3, 775-782.
18. Chong, M., Cole, D.E.C. and **Hamilton, D.C.**, (2000), Retrospective estimation for delayed onset disorders: Application to Cystic Fibrosis in Nova Scotia, *Statistics in Medicine*, **19(5)**, 743-751.