

MAS4303 Modern Bayesian Inference
Part 2

M. Farrow
School of Mathematics and Statistics
Newcastle University

Semester 1, 2008-9

References

- Azzalini, A. and Bowman, A.W., 1990. A look at some data on the Old Faithful geyser. *Journal of the Royal Statistical Society, Series C*, **39**, 357-366.
- Breslow, N.E. and Clayton, D.G., 1993. Approximate inference in generalised linear mixed models. *Journal of the American Statistical Association*, **88**, 9-25.
- Cooper, C., Shah, S., Hand, D.J., Adams, J., Compston, J., Davie, M. and Woolf, A., 1991. Screening for vertebral osteoporosis using individual risk factors. *Osteoporosis International*, **2**, 48-53.
- Cowburn, G.J., 2003. *Bayesian mixture modelling with application to road traffic flow*. Ph.D. thesis, University of Sunderland.
- Cowburn, G.J. and Farrow, M., 2007. Mixtures and diagnostic plots in modelling road traffic vehicle headways. *Statistical Modelling*, **7**, 73-89.
- Davies, O.L. and Goldsmith, P.L. (eds), 1972. *Statistical Methods in Research and Production*, 4th edition. Edinburgh: Oliver and Boyd.
- Freeman, D.H., 1987. *Applied Categorical Data Analysis*. New York: Marcel Dekker.
- Gelfand, A.E., Hills, S.E., Racine-Poon, A. and Smith, A.F.M., 1990. Illustration of Bayesian inference in normal data models using Gibbs sampling. *Journal of the American Statistical Association*, **85**, 972-85.
- Hand, D.J., Daly, F., Lunn, A.D., McConway, K.J. and Ostrowski, E., 1994. *A Handbook of Small Data Sets*. Chapman and Hall, London.
- Krzanowski, W.J., 1988. *Principles of Multivariate Analysis*. Oxford: Oxford University Press.
- Lunn, D.J., Thomas, A., Best, N.G., and Spiegelhalter, D.J., 2000. WinBUGS – a Bayesian modelling framework: concepts, structure, and extensibility. *Statistics and Computing*, **10**, 325-337.
- Open University, 1983. *MDST242 Statistics in Society, Unit C3: Is my child normal?*. Milton Keynes: The Open University.
- Mosteller, F. and Tukey, J.W., 1977. *Data analysis and regression*. Reading, Massachusetts: Addison-Wesley.
- Pearl, J., Geiger, D. and Verma, T., 1990. The logic of influence diagrams, In *Influence Diagrams, Belief Nets and Decision Analysis* (R.M. Oliver, J.Q. Smith eds.) New York: Wiley.
- Phillips, D.P., 1978. Airplane accident fatalities increase just after newspaper stories about murder and suicide. *Science*, **201**, 748-750.
- Snedecor, G.W. and Cochran, G.C., 1967. *Statistical Methods*, 6th edition. Iowa State University Press, Ames, Iowa.
- Sokal, R.R. and Rohlf, F.J., 1981. *Biometry*, 2nd edition. San Francisco: W.H. Freeman.
- Spiegelhalter, D.J., Thomas, A., Best, N.G. and Gilks, W.R., 1995. *BUGS: Bayesian inference Using Gibbs Sampling, Version 0.50*. MRC Biostatistics Unit, Cambridge.
- Thall, P.F. and Vail, S.C., 1990. Some covariance models for longitudinal count data with overdispersion. *Biometrics*, **46**, 657-71.
- Till, R., 1974. *Statistical Methods for the Earth Scientist*. London: MacMillan.