

CONTENTS

Introduction to the series	v
Acknowledgements	xi
1. <i>Arnold Zellner</i> , Introduction	1
I. APPRECIATIONS OF JEFFREYS'S CONTRIBUTIONS	11
2. <i>Seymour Geisser</i> , The contributions of Sir Harold Jeffreys to Bayesian inference	13
3. <i>Irving J. Good</i> , The contributions of Jeffreys to Bayesian statistics	21
4. <i>Dennis V. Lindley</i> , Jeffreys's contribution to modern statistical thought	35
II. ASSESSMENT AND DISCUSSION OF PRIOR DISTRIBUTIONS	41
5. <i>Edwin T. Jaynes</i> , Marginalization and prior probabilities	43
6. <i>A. Philip Dawid</i> , <i>Mervyn Stone</i> and <i>James V. Zidek</i> , Comments on Jaynes's paper, "Marginalization and prior probabilities"	79
7. <i>Edwin T. Jaynes</i> , Reply to Dawid, Stone and Zidek	83
8. <i>Joseph B. Kadane</i> , Predictive and structural methods for eliciting prior distributions	89
9. <i>Robert L. Winkler</i> , Prior information, predictive distributions, and Bayesian model-building	95

III. ADVERSARY PREPOSTERIOR ANALYSIS	111
10. <i>Paul H. Jackson, Melvin R. Novick and Dennis F. DeKeyrel</i> , Adversary preposterior analysis for simple parametric models	113
11. <i>George G. Woodworth</i> , Numerical evaluation of preposterior expectations in the two-parameter normal model, with an application to preposterior consensus analysis	133
IV. BAYESIAN ANALYSIS AND ECONOMIC THEORY	141
12. <i>Sanford J. Grossman</i> , Rational expectations and the econometric modeling of markets subject to uncertainty: A Bayesian approach	143
13. <i>Richard M. Cyert and Morris H. DeGroot</i> , Learning applied to utility functions	159
14. <i>Edward C. Prescott and Robert M. Townsend</i> , Equilibrium under uncertainty: Multiagent statistical decision theory	169
V. APPLICATIONS OF BAYESIAN ANALYSIS	195
15. <i>Robert B. Miller</i> , Actuarial applications of Bayesian statistics	197
16. <i>Hiroki Tsurumi</i> , A Bayesian estimation of structural shifts by gradual switching regressions with an application to the US gasoline market	213
17. <i>Arnold Zellner and Anne D. Williams</i> , Bayesian analysis of the Federal Reserve-MIT-Penn model's Almon lag consumption function	241
VI. ANALYSES OF SELECTED TIME SERIES PROBLEMS	269
18. <i>Steven C. Hillmer and George C. Tiao</i> , Smoothing of time series from a Bayesian viewpoint	271
19. <i>Paul Newbold</i> , Bayesian estimation of Box-Jenkins transfer function-noise models	281

VII. BAYESIAN ANALYSES OF INTERDEPENDENT ECONOMETRIC MODELS	297
20. <i>Jacques H. Drèze and Juan-Antonio Morales</i> , Bayesian full information analysis of simultaneous equations	299
21. <i>Teun Kloek and Herman K. van Dijk</i> , Bayesian estimates of equation system parameters: An application of integration by Monte Carlo	311
VIII. SELECTED INFERENCE PROBLEMS	331
22. <i>James M. Dickey</i> , Approximate coherence for regression model inference – With a new analysis of Fisher's Broadbalk Wheatfield example	333
23. <i>Stephen E. Fienberg</i> , Linear and quasi-linear Bayes estimators	355
24. <i>Seymour Geisser</i> , A predictivistic primer	363
25. <i>Bruce M. Hill</i> , Invariance and robustness of the posterior distribution of characteristics of a finite population, with reference to contingency tables and the sampling of species	383
26. <i>Irving J. Good</i> , Explicativity: A mathematical theory of ex- planation with statistical applications	397
IX. BAYESIAN COMPUTER PROGRAMS	427
27. <i>S. James Press</i> , Bayesian computer programs	429
X. CLOSING COMMENTS	443
28. <i>Vasant S. Huzurbazar</i> , Bayesian inference and invariant prior probabilities	445
29. <i>Harold Jeffreys</i> , Some general points in probability theory	451
Appendix: Recent programs of the NBER–NSF Seminar on Bayesian Inference in Econometrics	455

Author index	467
Subject index	471