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Victoria, Australia, August 2004

C.S. Wallace

Disclaimer

The reader should be warned that I make no claim to be an authority on statistical inference, information theory, inductive reasoning or the philosophy of science. I have not read widely in any of these fields, so my discussions of others' work should be treated with some suspicion. The ideas in this book are those of a one-time physicist who drifted into computing via work on computer hardware and arithmetic. In this uncertain progress towards enlightenment, I encountered a succession of problems in analysing and understanding data for which I could find no very satisfactory solution in standard texts. Over the years, the MML approach was developed from rather ad hoc beginnings, but the development was driven mostly by the challenge of new problems and informal argument with colleagues, rather than by a proper study of existing work. This casual, indeed almost accidental, evolution partly excuses my paucity of citations.

Editorial Notes

This book is essentially the manuscript left behind by Christopher Wallace when he died on August 7, 2004.

We wanted to publish a book that was as close as possible to the original manuscript. We have therefore made only minimal changes to the manuscript. We have corrected typing and spelling errors. We have also attempted as best as we could to include all the references that the author intended to include. Where the author made it clear that he wanted to add citations, but did not indicate to what they referred, we have included our best guesses of what these references might be.

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