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Type	PhD thesis
Title	Rules and associations : hidden Markov models and neural networks in the psychology of learning
Author	I. Visser
Faculty	FMG: Psychology Research Institute
Year	2002

FULL BIBLIOGRAPHIC DETAILS:
http://hdl.handle.net/11245/1.253151

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Contents

1 Cognitive rules **1**
1.1 Introduction 1
1.2 Rules in neural networks 3
1.3 Psychometrics 3
1.4 Implicit learning 4
1.5 Overview of the chapters 5

I Theory and simulations **7**

2 The computational power of subsymbolic processes **9**
2.1 Cognitive architectures 9
2.1.1 Computational power 10
2.1.2 Overview of the chapter 11
2.2 The computational power of neural networks 11
2.2.1 Computability as universal function approximation 12
2.2.2 Universal Turing machine computability 14
2.3 The interpretation of neural network behavior 15
2.3.1 Exploring internal representations of neural networks 16
2.3.2 Subsymbolic processing 19
2.4 Discussion 20

3 Interpreting neural networks **23**
3.1 Introduction 23
3.2 Extracting finite state automata from networks 24
3.3 Recurrent neural networks 25
3.4 Hidden Markov models 25
3.5 Simulations 27
3.5.1 Method 27
3.5.2 Results 29
3.6 Discussion 29

4 Confidence intervals **31**
4.1 Introduction 31
4.2 Hidden Markov models 32
4.2.1 Hessian and confidence intervals 33
4.2.2 Computational issues 34

4.3 Methods 35
4.3.1 Likelihood profiles 35
4.3.2 Bootstrapping 36
4.3.3 Finite differences approximation 36
4.4 Simulation results 37
4.4.1 Likelihood profile based confidence intervals 37
4.4.2 Bootstrapping results 39
4.4.3 Finite differences approximation 40
4.5 Comparison 40
4.6 Conclusion 42

II Experimental data 43

5 Fitting hidden Markov models to psychological data 45
5.1 Introduction 45
5.2 Fitting hidden Markov models 46
5.2.1 Definitions and notation 46
5.2.2 Toy model and data 47
5.2.3 Parameter estimation 47
5.2.4 Equality constraints 48
5.2.5 Likelihood ratio statistic 50
5.3 Model selection and model assessment 51
5.3.1 Definitions 51
5.3.2 Simulation 52
5.3.3 Assessing model fit: prediction errors 54
5.3.4 Confidence intervals/standard errors 55
5.4 Concept identification 56
5.4.1 Experimental data 57
5.4.2 Model fits and constraints 58
5.4.3 Conclusion 61
5.5 Implicit learning 61
5.5.1 Experimental data 62
5.5.2 Distance between models 63
5.5.3 Fitting hidden Markov models to generation data 64
5.6 Summary and conclusion 65

6 Reaction times and predictions in sequence learning 67
6.1 Sequence learning 67
6.2 The simple recurrent network and sequence learning 68
6.3 Prediction, generation and reaction time 70
6.4 Experiment 71
6.4.1 Method 72
6.4.2 Results 74
6.5 Discussion 81

7 Associations and dissociations **83**
7.1 Introduction 83
7.1.1 The generation task and explicit knowledge 84
7.1.2 The simple recurrent network 85
7.2 Generation data and hidden Markov models 85
7.2.1 Markov and hidden Markov models 86
7.2.2 Finite state automata and hidden Markov models 87
7.3 Experiment 88
7.3.1 Method 88
7.3.2 Results 90
7.4 Summary and discussion 97

8 Discussion **101**
8.1 Implicit learning 102
8.2 Rules revisited 104

A Interpretations of neural networks **105**

B Manual of Markovfit 1.6 **107**
B.1 The hidden Markov model 107
B.1.1 Markov models versus hidden Markov models 108
B.2 Running `Markovfit 1.6` 108
B.2.1 `Data file` format 109
B.2.2 `Command file` format 109
B.2.3 Standard run: `fitting` 110
B.2.4 Explorative fitting of models: `explore` 117
B.2.5 Explorative fitting of models: `batch` 119
B.2.6 Generating data: `generate` 119
B.2.7 Other commands 119

C Nederlandse samenvatting **121**

Nederlandse samenvatting **121**
C.1 Regelgestuurd gedrag 121
C.2 Hidden Markov modellen 122
C.3 Impliciet leren 124
C.4 Conclusies 126

Bibliography **127**

Subject index **135**

Author index **137**

Publications

The main chapters in this thesis have all been written as journal articles and have been published or are submitted. They have also all been co-authored by Maartje Raijmakers and Peter Molenaar.

Chapter 2: Ingmar Visser, Maartje E. J. Raijmakers and Peter C. M. Molenaar, On the computational power and interpretation of subsymbolic processes, *Submitted for publication.*

Chapter 3 (slightly revised version): Ingmar Visser, Maartje E. J. Raijmakers and Peter C. M. Molenaar (2001), in Robert M. French and Jacques P. Sougné, editors, *Connectionist models of Learning, Development and Evolution. The 6th Neural Computation and Psychology Workshop (NCPW6).*, p. 197–206, Springer-Verlag.

Chapter 4 (slightly revised and updated version): Ingmar Visser, Maartje E. J. Raijmakers and Peter C. M. Molenaar (2000), *British Journal of Mathematical and Statistical Psychology*, 53, 317–327.

Chapter 5: Ingmar Visser, Maartje E. J. Raijmakers and Peter C. M. Molenaar (2002), Fitting hidden Markov models to psychological data, *Scientific Programming, special issue on hidden Markov models*, accepted for publication, to appear summer 2002.

Chapter 6: Ingmar Visser, Maartje E. J. Raijmakers and Peter C. M. Molenaar (2001), Reaction times and predictions in implicit sequence learning: Testing predictions by the simple recurrent network, *Under revision.*

Chapter 7: Ingmar Visser, Maartje E. J. Raijmakers and Peter C. M. Molenaar (2002), Associations and dissociations between direct and indirect measures of sequence learning, *Submitted for publication.*

Appendix A: Ingmar Visser (2001), Hidden Markov interpretations of neural networks, *Behavioral and Brain Sciences*, 23(4), 494–495 (Commentary on Connectionist Modelling in Psychology: A Localist Manifesto by Mike Page.)