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Citation for published version (APA):

Matzke, D. (2014). Bayesian explorations in mathematical psychology.

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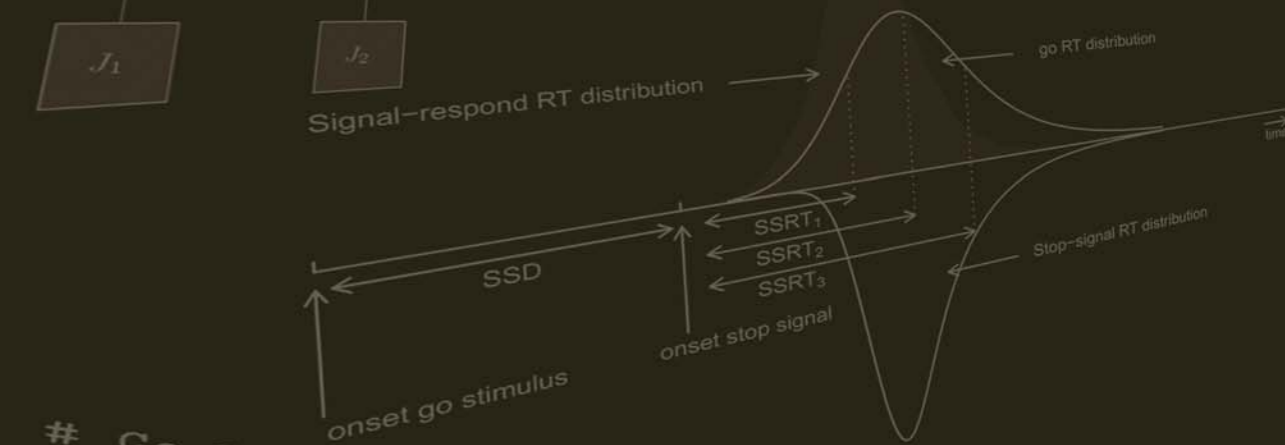
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Bayesian Explorations in Mathematical Psychology



$$\frac{p(\mathcal{M}_1 | y)}{p(\mathcal{M}_2 | y)} = \frac{p(\mathcal{M}_1)}{p(\mathcal{M}_2)} \times \frac{m(y | \mathcal{M}_1)}{m(y | \mathcal{M}_2)}$$



 Dóra Matzke

```
# Go RTs come from an ex-Gaussian distribution
for (g in 1:n.gort){
  go_rt[g] ~ ExGaussian(mu_go[j], sigma_go[j], tau_go[j])
}

# Signal respond trials; signal-respond RTs (srirt) at each SSD come from
# a censored ex-Gaussian distribution
# (see first part of Equation 14.)
for (d in 1:end_SR[j]){
  for (r in 1:n.srirt[d,j]){
    srirt[d,r,j] ~ CensoredExGaussian_SR(mu_go[j], sigma_go[j], tau_go[j],
    mu_stop[j], sigma_stop[j], tau_stop[j], ssd_SR[d,j])
  }
}
}
```

Bayesian Explorations in Mathematical Psychology

Dóra Matzke

ISBN 978-94-6259-419-7

This publication is typeset in L^AT_EX using the Memoir class.

Printed by Ipskamp Drukkers B.V., Enschede

Cover by Harm Erb e

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Bayesian Explorations in Mathematical Psychology

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad van doctor

aan de Universiteit van Amsterdam

op gezag van de Rector Magnificus

prof. dr. D.C. van den Boom

ten overstaan van een door het college voor promoties ingestelde

commissie, in het openbaar te verdedigen in de Agnietenkapel

op vrijdag 5 december 2014, te 12.00 uur

door

Dóra Matzke

geboren te Boedapest, Hongarije

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This dissertation is dedicated to my father (1944-2004).
Látod, papa, megy ez a matek.

Contents

Contents

1	Introduction	1
1.1	Chapter Outline	3
I	The Analysis of Response Time Distributions	7
2	Psychological Interpretation of the Ex-Gaussian and Shifted Wald Parameters: A Diffusion Model Analysis	9
2.1	Introduction	10
2.2	The Ex-Gaussian Distribution	10
2.3	The Shifted Wald Distribution	13
2.4	The Ratcliff Diffusion Model	16
2.5	Validation of the Ex-Gaussian and Shifted Wald Parameters Using Diffusion Model Simulations	18
2.6	Validation of the Ex-Gaussian and Shifted Wald Parameters Using Experimental Manipulations	22
2.7	Discussion	28
3	Bayesian Parametric Estimation of Stop-Signal Reaction Time Distributions	33
3.1	Introduction	34
3.2	The Stop-Signal Paradigm	36
3.3	Bayesian Parametric Approach for the Estimation of SSRT Distributions	40
3.4	Parameter Recovery Studies	49
3.5	Fitting Experimental Data	53
3.6	Discussion	66
4	Release the BEESTS: Bayesian Estimation of Ex-Gaussian Stop-Signal Reaction Time Distributions	73
4.1	The Bayesian Parametric Approach	75
4.2	Releasing the BEESTS	80
4.3	Installation	80
4.4	Loading Data	80
4.5	Analysis	80
4.6	Empirical Data Examples: Individual and Hierarchical Analysis	84

4.7	Discussion	88
II	Multinomial Processing Tree Models	91
5	Bayesian Estimation of Multinomial Processing Tree Models with Heterogeneity in Participants and Items	93
5.1	Introduction	93
5.2	Parameter Heterogeneity in MPT Models	95
5.3	The Pair-Clustering MPT Model	97
5.4	The Latent-Trait Pair-Clustering Model	99
5.5	The Crossed-Random Effects Pair-Clustering Model	104
5.6	Discussion	121
6	Model Comparison and the Principle of Parsimony	125
6.1	Introduction	125
6.2	The Principle of Parsimony	126
6.3	Example: Competing Models of Interference in Memory	129
6.4	Three Methods for Model Comparison	131
6.5	Concluding Comments	143
III	Correlations, Partial Correlations, and Mediation	145
7	The Issue of Power in the Identification of “<i>g</i>” with Lower-Order Factors	147
7.1	Introduction	147
7.2	Statistical Power and the Log-Likelihood Difference Test	149
7.3	Power Analysis	151
7.4	Power Analysis of Selected Case Studies	154
7.5	General Discussion	155
8	Accounting for Measurement Error and the Attenuation of the Correlation: A Bayesian Approach	159
8.1	Introduction	159
8.2	Attenuation of the Correlation and Spearman’s Correction	160
8.3	Bayesian Correction for the Attenuation of the Correlation	163
8.4	Empirical Examples	166
8.5	Discussion	173
9	A Default Bayesian Hypothesis Test for Mediation	177
9.1	Introduction	177
9.2	Frequentist Mediation Analysis	178
9.3	An Alternative: Bayesian Estimation	180
9.4	Bayesian Hypothesis Testing	181
9.5	Bayesian Hypothesis Test for Mediation	182
9.6	Simulation Study	185
9.7	Extension to One-Sided Tests	186
9.8	Example: The Firefighter Data	189
9.9	R package: BayesMed	190
9.10	Concluding Comments	191

IV Improving Research Practice	193
10 Two Birds with One Stone: A Preregistered Adversarial Collaboration on Horizontal Eye Movements in Free Recall	195
10.1 Introduction	196
10.2 Preregistered Adversarial Collaboration: A Confirmatory Proponent-Skeptic Investigation	196
10.3 Horizontal Eye Movements and Episodic Memory	198
10.4 Methods	200
10.5 Results	203
10.6 Discussion	208
11 Statistical Evidence in Experimental Psychology: An Empirical Comparison Using 855 t Tests	215
11.1 Introduction	215
11.2 Three Measures of Evidence	217
11.3 Comparing p Values, Effect Sizes and Bayes Factors	220
11.4 Conclusions	224
12 Hidden Multiplicity in Multiway ANOVA: Prevalence, Consequences, and Remedies	227
12.1 Introduction	227
12.2 Type I Errors and the Oneway ANOVA	228
12.3 The Explorative Multiway ANOVA: A Family of Hypotheses	229
12.4 Practice: Multiway Corrections in Six Journals	230
12.5 Possible Remedy: Sequential Bonferroni Correction	231
12.6 Consequences: Sequential Bonferroni Applied to 60 Published Articles	233
12.7 Conclusion	233
13 Summary and Future Directions	235
13.1 The Analysis of Response Time Distributions	235
13.2 Multinomial Processing Tree Models	237
13.3 Correlations, Partial Correlations, and Mediation	238
13.4 Improving Research Practice	240
V Appendices	243
A Appendix to Chapter 2: “Psychological Interpretation of the Ex–Gaussian and Shifted Wald Parameters: A Diffusion Model Analysis”	245
A.1 The Distribution of the Diffusion Model Parameter Values	245
A.2 Results for the Diffusion Model Trial–to–Trial Variability Parameters	245
B Appendix to Chapter 3: “Bayesian Parametric Estimation of Stop-Signal Reaction Time Distributions”	251
B.1 WinBUGS Script	251
C Appendix to Chapter 4: “Release the BEESTS: Bayesian Estimation of Ex-Gaussian Stop-Signal Reaction Time Distributions”	255
C.1 Prior Distribution of the Model Parameters	255

D Appendix to Chapter 7: “The Issue of Power in the Identification of ‘g’ with Lower-Order Factors”	257
D.1 R Code for Power Calculations	257
E Appendix to Chapter 8: “Accounting for Measurement Error and the Attenuation of Correlation: A Bayesian Approach”	259
E.1 WinBUGS Script	259
F Appendix to Chapter 9: “A Default Bayesian Hypothesis Test for Mediation”	261
F.1 JAGS Code	261
F.2 Testing the Correctness of Our JAGS Implementation	262
References	265
Samenvatting	291
Deel I. De Analyse van Responstijdverdelingen	291
Deel II. Multinomiale <i>Processing-Tree</i> -Modellen	292
Deel III. Correlaties, Partiële Correlaties en Mediatie-analyse	293
Deel IV. Verbeteren van de Onderzoekspraktijk	293
Acknowledgments	295
Publications	297