

Contents

1	Introduction	1
	References	4
2	A Random Regret Minimization-based Discrete Choice Model . . .	5
2.1	A Random Regret-Function	5
2.2	A Comparison with (Linear-Additive) Utility Maximization	9
2.3	Regret-based Choice Probabilities and a RRM-based MNL-Model	13
	References	14
3	Empirical Application of Random Regret Minimization-Models . .	17
3.1	The Data	17
3.2	Model Estimation	19
3.3	Model Fit	21
3.4	Interpretation of Parameters	23
3.5	Market Share Forecasting	29
3.6	Out-of-Sample Validity	32
	References	34
4	Applicability of Random Regret Minimization-Models, and Their Strong and Weak Points.	35
4.1	General Applicability	35
4.1.1	Non-Generic Attributes	35
4.1.2	Constants	36
4.1.3	Non-continuous (Categorical) Attributes	37
4.1.4	Hybrid RUM-RRM Models	38
4.1.5	Interactions with Socio-Demographic Variables	38
4.2	RRM: Strong Points	38
4.3	RRM: Weak Points	39
	References	41

5	Selection of Recent Developments in RRM-Modeling.	43
5.1	Random Regret Minimization for Decision-Making Under Uncertainty	43
5.2	RRM for Modeling Household or Group Decision-Making.	46
5.3	The Expected Regret of a Choice-Situation: An RRM-based Logsum.	48
5.4	An RRM-based Formulation of ‘Value of Time’	50
	References	52
 Appendix: Investigating the Assumption of i.i.d. Errors in RRM-Models		 53