

REVIEW OF THE MASTER'S THESIS EXTERNAL REVIEWER

Student's name: Marcel Vrobel

Thesis title: MICRO-MODEL FOR RESERVING IN NON-LIFE INSURANCE WITH THE USE OF GENERALIZED LINEAR REGRESSION MODEL EXTENSIONS

Name of the thesis external reviewer: Michal Gerthofer

	1	2	3	4
Assessment of the topic itself (irrespectively of the student): 1.1 To what extent is the topic current and significant? 1.2 How challenging is the topic in respect of theoretical knowledge? 1.3 How challenging is it in respect of practical experience or fieldwork? 1.4 How difficult is it to get background materials?				
 2. Evaluation of the thesis structure and logical cohesion: 2.1 To what extent is the thesis structure logical and transparent? 2.2 To what extent does the author use current/ suitable sources? 2.3 How properly did the author select methods in respect of the topic? 2.4 How sufficiently and functionally did the author use in the thesis original charts, tables, data, annexes, etc.? 2.5 What is the compatibility level for the thesis basic line elements: topic – thesis assignment – objective – structure – conclusions? 				
 3. Assessment of the thesis text quality: 3.1 How well – in terms of depth and quality – did the author analyze the topic? 3.2 Did the author formulate the thesis objective clearly and with logical structure? 3.3 Did the author fulfill the defined thesis objective and approved assignment of the thesis that contains the objective? 3.4 How well – in terms of depth and quality – did the author cover the theoretical part of the thesis? 3.5 How well – in terms of depth and quality – did the author cover the practical/ analytical part of the thesis? 3.6 To what extent are the thesis conclusions logically structured and show quality, and what is their added value? 				

4. Assessment of the thesis form and style:					
4.1 What is the formal layout of the thesis?	. .	\boxtimes			
4.2 What is the quality of citations and references? Are sources identifiable?					
4.3 What is the stylistic level of the thesis, particul	arly the use of correct				
economic terminology?					
5. Overall assessment:					
The thesis deals with a current topic. Order of the state form of the thesis are on high level. However, maindex in equation (3.5), sign and notation within e not correct etc.). There was incorrect usage of the (F-test). Work described wide range of the mode details. On the other hand, data analysis was punderstanding of the claim reserving problem and well structured and contains back-test as well as vaggregated model seems to be incorrect (see table Overall, the thesis was worked out very well but so other parts, for instance theory. 6. Questions and remarks to the defense:	athematical notation co quation (6.11), notation term ANOVA instead els but theory descripti erformed very carefull underlying data. Practical alidation of the models 35) and should be descome parts were too deta	ontain n (Pr(of the ion la ly and cal pa s, how cribed ailed a	as mis >Chi) e sub-acked author of to ever, in month the e	takes o<0.00 model depth hor sh he wo result ore detexpens	(e.g. of) is l test and down ork is s for tails.
Did figures in tables 33, 34, 35 contain part of the popen claims? Can you explain, why the MSE and RMSE for age			elopn	nent o	f the
Did you use logarithmic link function in GLM, HM					
Did you use same model matrix for the hurdle cor HM?	nponent and the trunca	ted co	ompoi	nent o	f the
Proposed grade: 2		, .	0		
Date: 28.5.2018	Gen	77	er		
	Signature of the Thes	sis Ĕx	ternal	Revie	ewer