

Contents

1	Introduction	7
1.1	Research questions	9
1.2	Methodology	15
1.3	Contributions	17
2	Extreme events and short term reversals in risk aversion	21
2.1	Introduction	22
2.2	Belgian Economy under the Nazi Boot	26
2.3	Data	28
2.4	Methodology	34
2.4.1	Pricing of lottery bonds	34
2.4.2	Interpretation of the Lottery Ratio	37
2.5	Results	39
2.5.1	Quality of our measure	40
2.5.2	The Dynamics of the Lottery Ratio	47
2.5.3	Relationship with the equity and bond market	50
2.5.4	Discussion	56
2.6	Conclusion	64
3	The long-term dynamics of risk aversion	71
3.1	Introduction	72
3.2	Measuring risk aversion from lottery bond prices	76
3.2.1	Lottery bonds	76
3.2.2	Construction of the risk aversion index	78
3.2.3	Risk-neutral price	79
3.2.4	Data	82
3.3	The dynamics of risk aversion	84
3.3.1	Economic and political background	85
3.4	Dynamic relationships between risk aversion and economic environment	91

3.4.1	Baseline model: industrial production, monetary policy and risk aversion	92
3.4.2	Risk aversion and the business cycle	96
3.4.3	Risk aversion and the stock market	99
3.4.4	Risk aversion and uncertainty	99
3.5	Discussion of alternative interpretations	103
3.6	Conclusion	105
4	Real estate booms and bank stability	109
4.1	Introduction	110
4.2	Theoretical background	116
4.3	Data	118
4.3.1	Bank-level data	119
4.3.2	Real estate prices	121
4.3.3	MSA-level data	121
4.4	Identification strategy	123
4.5	Results	128
4.5.1	Real estate prices and bank stability	128
4.5.2	The role of bank and local market characteristics	131
4.5.3	Channels of bank stability	136
4.5.4	Bank stability during the real estate bust	142
4.6	Conclusion	145
5	Conclusion	149