

Title: Value of nonlife insurance portfolio

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Abstract: This thesis focuses on different approaches to valuation of portfolio in the non-life insurance business. We focus on details of the design of a model which analyses the value of in-force business. We address the value of in-force business coming from a surplus of claims provision separately on one side, and on the other side we look at the value of in-force business arising from renewed policies. The theoretical part of the model proposal deal with the bootstrap method, which is used as a basis for the analysis of the reserving risk. This proposed model was applied on the real dataset which represents the line of business in non-life insurance. In the final part of the thesis we focus on the sensitivity of the value of in-force business at change of the parameters in the proposed model and we discuss the possibility of the parameters being influenced by a insurance company.

Keywords: valuation of portfolio, vaule of in-force bussines, bootstrap, non-life insurance, Solvency II