Insurance Portfolio Analysis in the State of Florida

Daniel Ricardo Sarmiento[1,1,*]

[a]*Bogota D.C Colombia*

Abstract

Insurers have and manage portfolios that are simply a set of policies, in this article we seek to analyze a portfolio that contains policies designed and acquired by the construction sector in the essential objective is to make proposals that may benefit the insurance sector according to the information contained in the Dataset.

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1. Introduction

Strategic decisions do not occur at the contract level. They occur in the boardroom, where managers review available data and possibly launch new strategies. From a portfolio perspective, insurers want to plan their capacity, establish management policies, and balance the mix of products being distributed to increase revenue while controlling volatility.

Conceptually, one can think of an insurance company as nothing more than a collection, or portfolio, of insurance contracts. It has been learned about the modeling of insurance portfolios as the sum of individual contracts, taking into account hypotheses of independence between the contracts. Given their importance, this chapter focuses squarely on portfolio distributions.

- Insurance portfolios represent the obligations of insurers and, therefore, are particularly interested in the probabilities of large risks.
- Insurance portfolios represent the company's obligations and therefore insurers maintain an equivalent amount of assets to meet those obligations. Risk Measures summarize the distribution of the insurance portfolio and are used to quantify the amount of assets that an insurer needs to have to meet its obligations.

With the available dataset we seek to answer the questions posed above in addition to being able to present a spatial analysis of the available information in search of possible patterns that allow us to make decisions related to the improvement of the portfolio.

*Corresponding author

Email address: dsarmientosar@unbosque.edu.co (Daniel Ricardo Sarmiento)

[1]Database Design and Analysis