Undergraduate Research Program in Actuarial Science
Departement of Mathematics, University of Illinois at Urbana-Champaign

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Solvency II for an insurance company in Europe

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Each insurance company in Europe has to calculate his Solvency II ratio, which consists of two parameters: own funds and solvency capital requirement. This ratio reflects the likelihood of not defaulting within a one-year timeframe.

In this project we will consider a small insurance company; one insurance product which is backed by bonds and equities. We will determine for this situation the corresponding Solvency II ratio. This requires an investigation of the Solvency II regulation and putting this regulation into practice.

Good knowledge of Excel and Life Contingencies I is necessary.