


Where is the passion (value)?

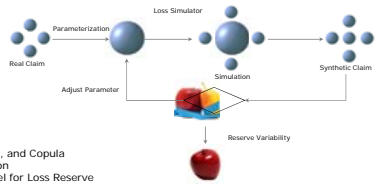
This system will underlie the loss triangles and other statistics used to estimate loss reserves



- A platform that can generate synthetic claims
- The generated claims will have the same statistical characteristic as the company real claim data, in regarding to lags, payments, frequency, case reserves, adjustment, etc, etc.
- The generated claims could be summarized into loss development triangles and complete rectangles, which could then be used to test loss reserving methods and models.
- Aid people in better understanding the underlying loss development process.

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Vision and Enhancement

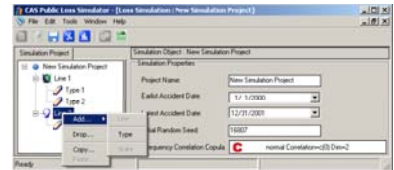


- Copula, Copula, and Copula
- Parameterization
- Predictive Model for Loss Reserve
- Challenges
 1. Real claim process is very complicated
 2. Modeling variance
 3. Parameter variance
 4. Process variance
 5. Unquantifiable variance


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Example

Simulation Project Parameters Setup.



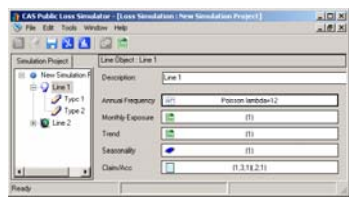
- Windows Standard UI
- Tree Structure
- Accident Year Range
- Random Seed
- Line Level Frequency Correlations from Copula



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Example continue

Line Level Parameters Setup.

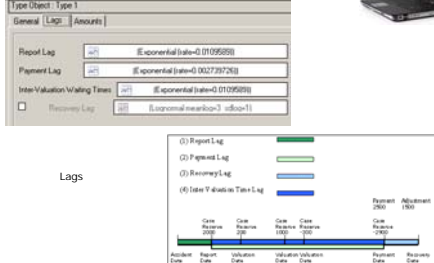


- Annual Frequency
- Exposure, Trend, and Seasonality
- Multinomial Claim Distribution

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Example continue

Coverage Level Parameters Setup.

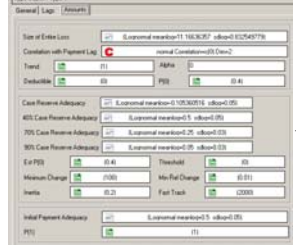


Lags

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Example continue

Coverage Level Parameters Setup.



Severity Properties

Case Reserve Interpolations

Recovery Properties

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