

Are there real differences in loss development patterns between companies?

Let's look first at a single development age:

	Workers Compensation Loss Development					
	Age-to-Age Factor from 48-60 Months					
	Three Prior Diagonals				Latest Diagonal	
Company Name	<u>CY 2006</u>	CY 2007	<u>CY 2008</u>	Wtd Avg		<u>CY 2009</u>
ABC Company	1.012	1.002	1.010	1.008		1.019
DEF Company	1.015	1.033	1.055	1.032		1.002
GHI Company	1.042	1.042	1.050	1.045		1.038
Industry Average	1.031	1.035	1.035	1.034		1.032

Source: Highline; actual companies from Schedule P.





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What do we want from a credibility model?

• Give the company triangle the "right" credibility based on its volume of loss and stability.

- Make use of the full triangle and not have each development age stand on its own. Can we credibility weight the <u>patterns</u>, not just the individual factors?
- Adjust the "tail" factor from external sources to help extrapolate beyond the account data.

Credibility-theory and hierarchical models can help squeeze all of the useful information out of our data.

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