CAS Spring Meeting: Homeowners Profitability

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Why is Homeowners so challenging?





Rating agency perspective on catastrophe risk

- "A.M. Best Co. considers catastrophic loss to be a primary threat to the financial strength and credit quality of property and casualty insurers..."
- "Companies not only need to measure and model catastrophe risks after the business has been bound, but also need to mitigate the risk on the front end by using a more proactive and integrated underwriting approach where all risks and risk relationships are considered."
- "A.M. Best expects that a company's management will be able to explain why it has utilized the output selected to best represent its catastrophe exposure."

Source: "Catastrophe Analysis In A.M. Best Ratings" November 3, 2011 (emphasis added)



Strategies for integrated approach to risk





Use Geographic Information Systems data





Use other third party data sources





Use the data you already have



Find new insights within company data



Blend catastrophe models







Lessen impact of cat model volatility

Identify profitable segments to target





Communicate with and monitor agents



Baseline Scoring Model

Use scoring to monitor portfolio by agent

Agency	WP Change	NB Change -27 %	Earned Premium Distribution	Retention Rate	Expected Loss Ratio (change)		
					110.00	1	2 0/
1/30300	302 70	114 70		91 /0 	110 %		5 10 🧹
153/668	320 % 1	140 %		86 %	111 %	ġ.	1 %
1539377	219 % 🕇	200 % 🕇		96 %	108 %	1	3 % 🧪
1542068	135 % 🕇	550 % 🕇		91 % 📕 📲 🗕 🗕	107 %	1	1 % 😑
1546788	127 % 🕇	175 % 🕇		87 %	118 %	•	0 % 📒
1542087	100 % 🕇	46 % 🕇		91 % 💶 📲	108 %	1	-4 % 为
1546776	97 % 🕇	80 % 🕇		92 %	112 %	1	-4 % 🖕
1546778	78 % 🕇	-61 % 🖊		92 %	111 %	1	-1 % 😑
1545591	48 % 🕇	-75 % 🌷		88 % =_	106 %	I.	-2 % 为
1541268	44 % 🕇	-5 % 😑		88 %	112 %	1	-1 % 😑
1335391	34 % 🕇	-22 % 🐪		88 % 💶 — – 📲 💼	110 %	1	-1 % 📒
1537676	32 % 🕇	19 % 🦊		88 %	111 %	1	-2 % 为
1539373	29 %	22 % 🦊		90 %	108 %	1	0 %



Improve your rate indications

- Rerate historical policies
- Split indications by peril
- Calculate a separate cost of reinsurance
 - Expected reinsurer profit = expected ceded premium less expected ceded loss and LAE
 - Allocate to company, state, program, line, form, peril, territory
- Enhance trend calculation
- Improve the complement of credibility
- Map results to see if they make sense







Take actions outside of rates





Challenges for "non-large" companies

What if you don't work for AllStateFarmers?

- Credibility
- Data availability
- Systems limitations
- In-house expertise / access to technology



Even small companies have usable data





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Get started

Overhaul your old HO program

- 1. Split rating algorithm, at least by major peril
- 2. Get rid of misaligned discounts and rating factors
- 3. Redo your territories
 - Cat model output + GIS for cat perils
 - Experience + GIS for non-cat perils
- 4. Add new rating factors
- 5. Geocode your policies
- 6. Start collecting data today for the plan you want tomorrow



Questions?

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