

Session agenda and objectives

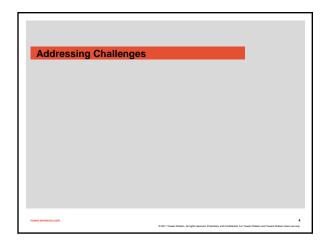
Today, we will discuss
Different industry approaches to competitive analysis
Key challenges in performing quantitative competitive analysis
Analysis of "on-the-street" prices

Competitive Market Analysis

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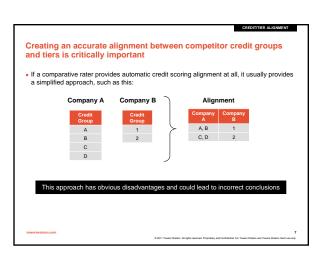
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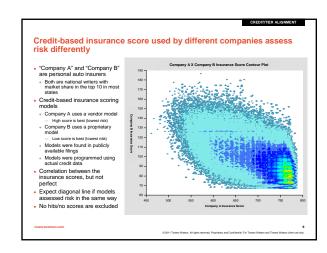


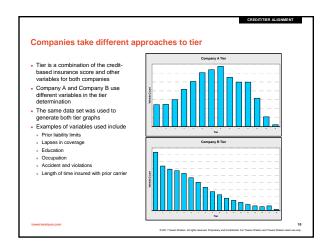


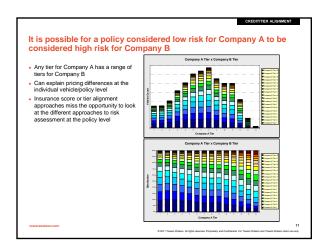
Selecting which competitors to include is important...and trickier than one might think The ideal is a mix of direct competitors and industry leaders The target market segment should be considered Competitors targeting the preferred market may be different than competitors targeting the non-standard market Once you choose a competitor group, selecting which particular company to rate can be challenging For example, Allstate writes auto insurance in at least 14 companies across the country Relative premium volume may not be a good indicator, as one entity may be a new company (where all new business is being written) Agent feedback and rate filing reviews can help select the "right" company Some companies write only package policies (personal auto and homeowners on the same policy). This should be considered in the company selection (impact on coverage alignment and underwriting selection criteria)



CREDIT/THER ALIGNMENT	
Alternative approaches to aligning credit groups/tiers can increase accuracy (but can be costly and/or time consuming)	
 Insurance Score <u>Alignment</u> (Distribution Mapping) – Alignment based on company filed distributions by credit score range or tier Relies on publicly available data 	
More accurate than uniform distribution assumption	
Insurance Score <u>Assignment</u> – Assignment based on programmed competitor credit scoring algorithms	
 Requires data at the individual credit attribute level 	
Relies on publicly available data	
 Processing current book of business through programmed algorithms results in an optimal credit score assignment for each competitor 	
 Assumptions may still be necessary, depending on the data source and competitor(s) 	
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In some cases, a company may simply not collect accurate data on a rating variable that a competitor uses

- Depending on the importance of the variable, how missing values are populated can materially affect the results
- External data can sometimes be used to fill in missing values using sampling techniques
- · Census and other external data
- Distributions obtained from competitor filings
- Care should be taken in how these variables are populated
- Suppose a company does not collect data on a 55 & Retired Discount, but driver age is readily available
- From census data and other publicly available data, one can obtain a population estimate of individuals who are retired
- However, constraints should be placed on the sampling approach to avoid illogical results (e.g., a 25-year-old who is "retired")

There are a number of important due diligence considerations in selecting a comparative rater

- Are the rates for your company and the selected competitors already included in the tool (and if not, what are the additional costs to include?)
 What are the alternatives if additional cost is prohibitive?
- Does the software support batch rating hundreds of thousands of policies (or more) in a timely fashion? How much computing power is necessary?
- Does the platform accurately perform:
- Diver assignment for personal auto?
 Territorial assignment?
 Tier assignment?
- What process does the vendor have in place to ensure accurate results?
- What types of training and support services does the vendor provide?
- Does the vendor have a tool to convert your exposure data into a format that the batch rater can use?
- Does the vendor have appropriate marketplace knowledge to understand complex rate filings?

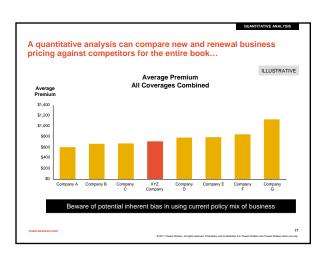
Proper alignment of product/coverage is important in order to draw appropriate conclusions

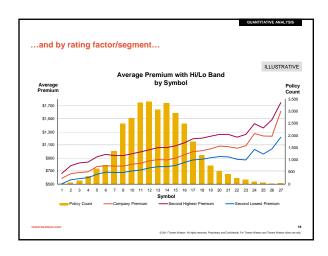
State X — Homeowners

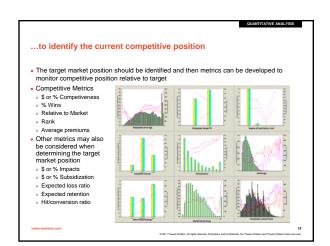
Coverage/Feature	Competitor A "Standard" HO-3 Policy	Competitor B "Basic" HO-3 Policy
Earthquake	Included	Excluded
Water Backup	Excluded	Included
Coverage A	Actual cash value, with possible limited replacement cost coverage endorsement	Replacement cost coverage
Coverage C	70% of Coverage A	85% of Coverage A
Identity Theft	Included	Excluded

What process will be followed to ensure that the calculated competitor rates are accurate? Rater accuracy should be considered in selecting a third-party vendor Even the larger comparative rating vendors are often not accurate Programming errors Creditivening alignment Oversimplification/misunderstanding of a competitor's rating approach Goal may be to get "close enough" Oertain actions can be taken to increase the accuracy of the analysis Hand-rating of a random sampling of policies (which can be time consuming) Verifying calculated average premiums with certain filled materials Conversations with agents ("gut checks")









Now what? • Identified current competitive position • Calculated current premiums for your company and selected competitors, overcoming many hurdles in calculating the competitor premiums • Analyzed the premiums to determine the current competitive position • Identified target competitive position • How do you get there? • How should the current rating plan be revised to achieve the target competitive position?

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