Swedish Motor Insurance

Zone Level Loss Performance and Recommended Pricing Actions

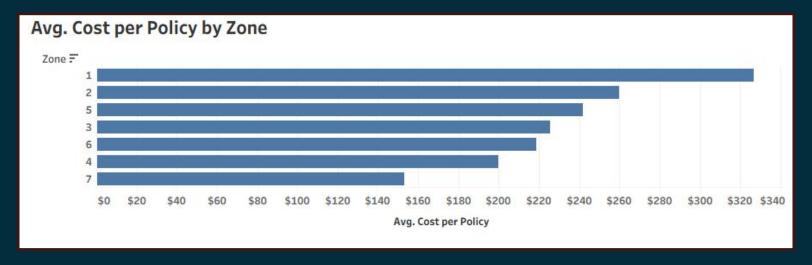
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SAS Studio X Tableau Workflow

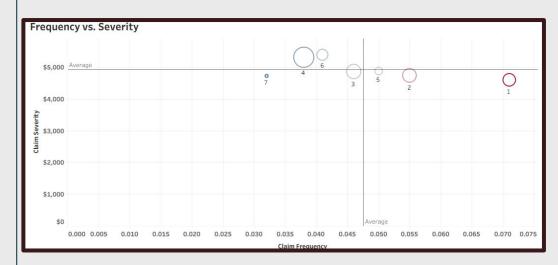
	Questions to Answer	
\rightarrow	What zones have the highest average cost per policy?	
\rightarrow	Where are claims most frequent?	
\rightarrow	Which zones have high frequency and severity?	
\rightarrow	What premium multipliers are appropriate based on risk segmentation?	
\rightarrow	How can we visualize zone-level performance to support pricing decisions?	
\rightarrow		

Avg. Cost per Policy Zone



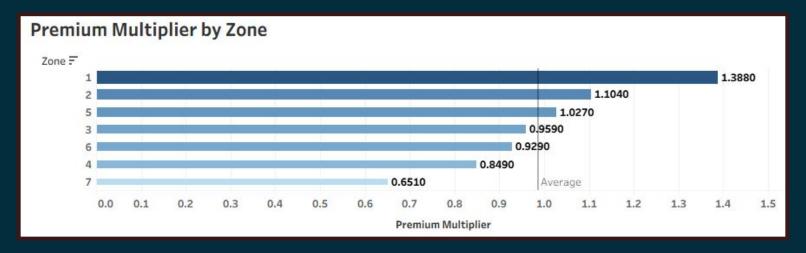
- Zones 1 and 2 sit far above the portfolio average.
- Zone 1 costing ~\$327 per policy 40 % above portfolio mean.
- Zones 4 7 are well below average and could merit credits.

Frequency vs. Severity



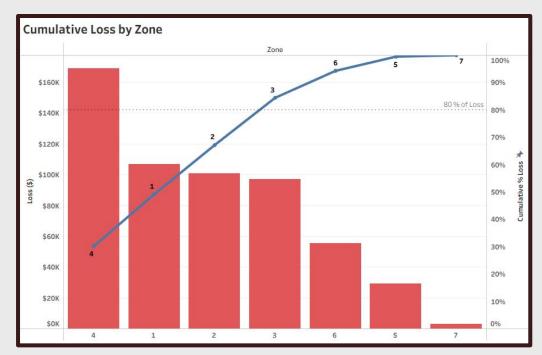
- Large red bubbles in the upper-right quadrant (Zones 1 & 2) show the perfect storm: lots of claims and costly.
- Blue bubbles in the lower-left (Zones 4 & 6) confirm profitable, low-risk areas.
- Bubble size reminds us Zone 1 also carries huge exposure, magnifying impact.

Premium Multiplier by Zone



- Zone 1 needs a ~39 % surcharge (1.39×)
- Zone 2 about +10 %.
- Zones 4, 6, 7 deserve 15–35 % credits. The 1.00 reference line makes over-charged vs. under-charged territories obvious.

Cumulative Loss by Zone



- Just three zones (4 1 & 2) account for ~80 % of total loss
- Visualised where the line crosses the 80 % dashed line.
- Targeting rating and underwriting changes at these zones captures the bulk of improvement potential.

Recommendations

Territorial Price Realignment

Apply +10−40 % surcharges in loss-heavy Zones 1−2 and −15−35 % credits in profitable Zones 4, 6 & 7.

Focused Underwriting & Claims Controls

 Tighten acceptance criteria, require loss-control inspections, and deploy early-intervention claims triage in Zones 1–2.

See full recommendations in final pdf report

Thank You

Scripts and Data on Github

Resume

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