

DATA VARIANCE & MODEL CONSISTENCY

A reasonable thought...

For each customer find the 5-year loss ratio. Sort them from highest to lowest.

If we were to compare this to actual loss ratios for business sorted by our model predictions, we should see similar results, yes?

This idea relies on there being enough consistent losses across our data.





What we have here is essentially a Gini of one (or rather, a maximized Gini).







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And what does this say about effective models?

This model was used to categorize agents – those who wrote the most green business and those who wrote the mode red.





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And what does this say about effective models?

These are pictures of the difference between a 30% loss ratio and a 70% loss ratio.





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Questions?

<u>Contact Info</u> Christopher Cooksey, FCAS, MAAA EagleEye Analytics

ccooksey@eeanalytics.com

www.eeanalytics.com

