

Market Segmentation in Life Insurance



Kshitij Srivastava

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Segmentation - An overview

The Why

Understand the needs of customer

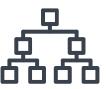


Build tailored products



Efficiently market existing products

The How (Clustering) Connectivity based



Centroid based



Distribution based



Density based



Algorithm

Pros

Cons

Hierarchical Clustering

Easy to interpret

Not scalable

K Means Clustering

Computationally efficient

Spherical

Gaussian Mixture Models Hierarchical Clustering

Mixed membership

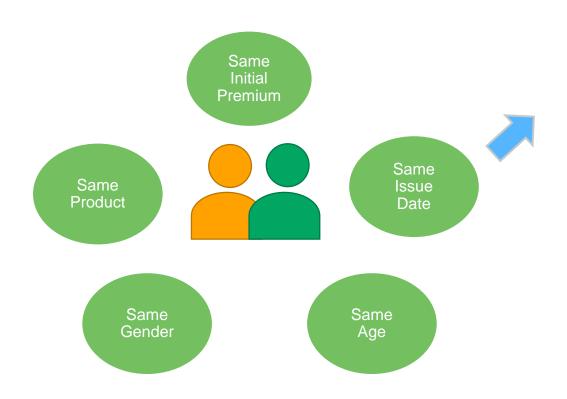
Overfitting

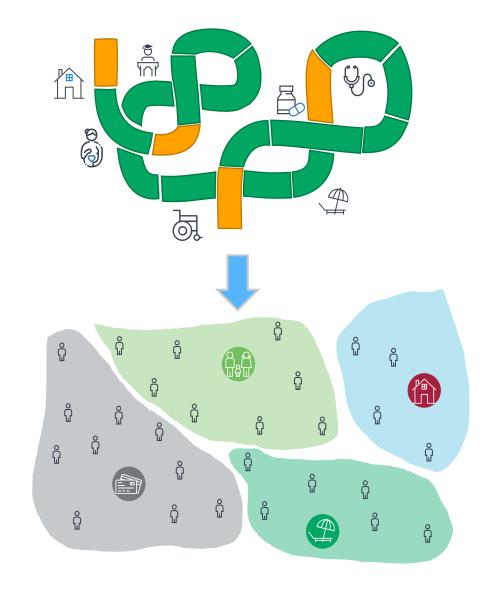
Capture irregular size/shape

Varying density clusters



The shifting paradigm

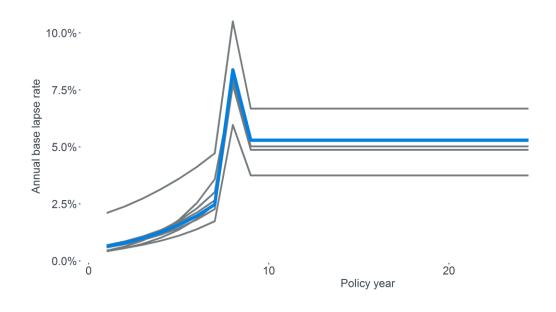






Applications in Life Insurance

Segmented assumptions



Fit behavior models to each customer segment revealing how people use their insurance differently

Project profitability



Calculate "profitability" measure at seriatim level



Using Profitability score

