

Business Environment

Why things are becoming so data driven.

The Market

- Electronic connectivity is expected
- > Touch point knowledge is anticipated
- Personalized service is assumed
- Ease of doing business is desired
- Low tolerance for not learning

Each Company

- Define, attract, retain, and grow "good" customers
- Match offering to customer
- Improve 'customer facing processes'
- Reduce expenses while building skills

Insurance Company System Dynamics Identify the processes and actions that drive profitability and highlight interactions.

Profitability

Expense

Revenue

Claims

Cost of Revenue

Underwriting

Sales & Marketing

Claim Rates
Claim Severity

Inflation

Complexity

Pricing

Policy Holders

Risk Selection

Agents

Risks

Investments

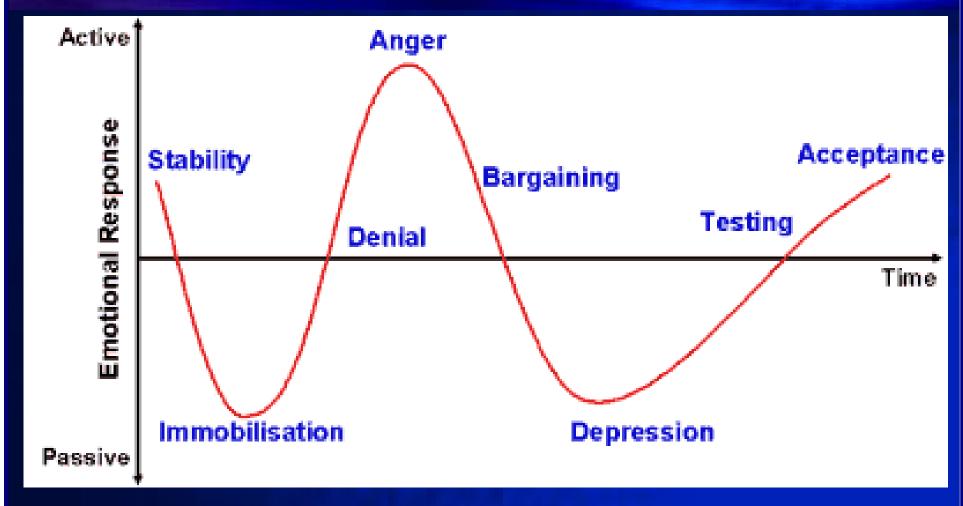
Uncertainty Litigation

Regulations Catastrophe

Competition Stock/Bond Market

Incremental improvements to many areas will be needed.

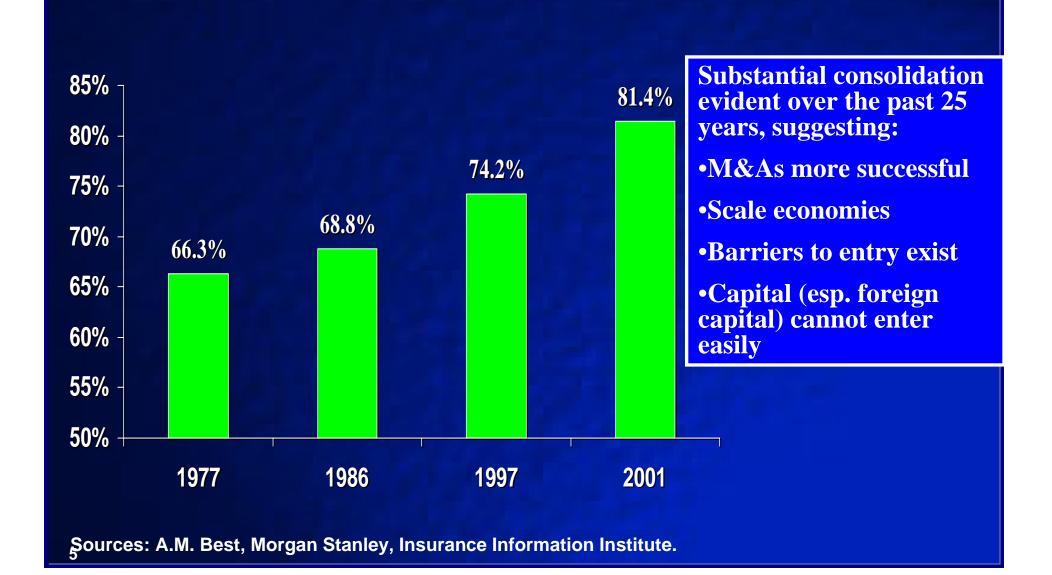
The Grief Cycle



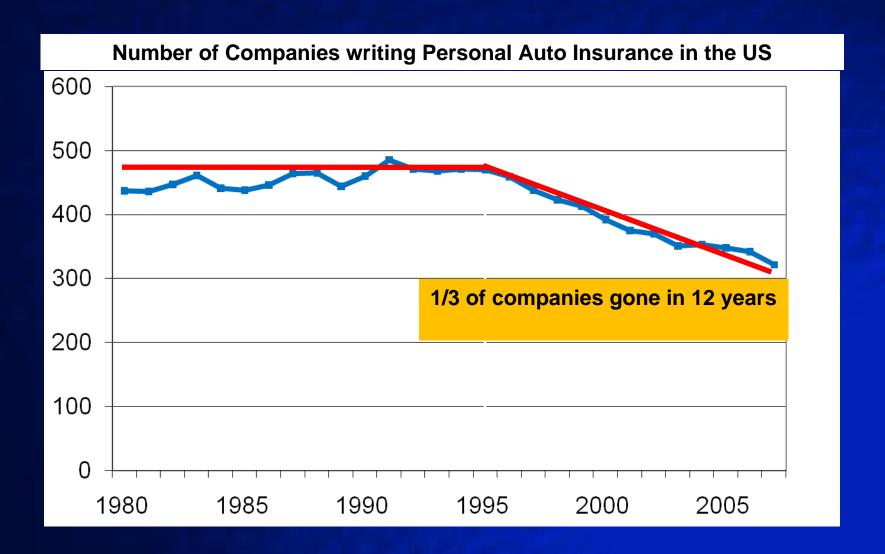
...roller-coaster ride

...as the person wriggles ...in their desperate efforts to avoid the change.

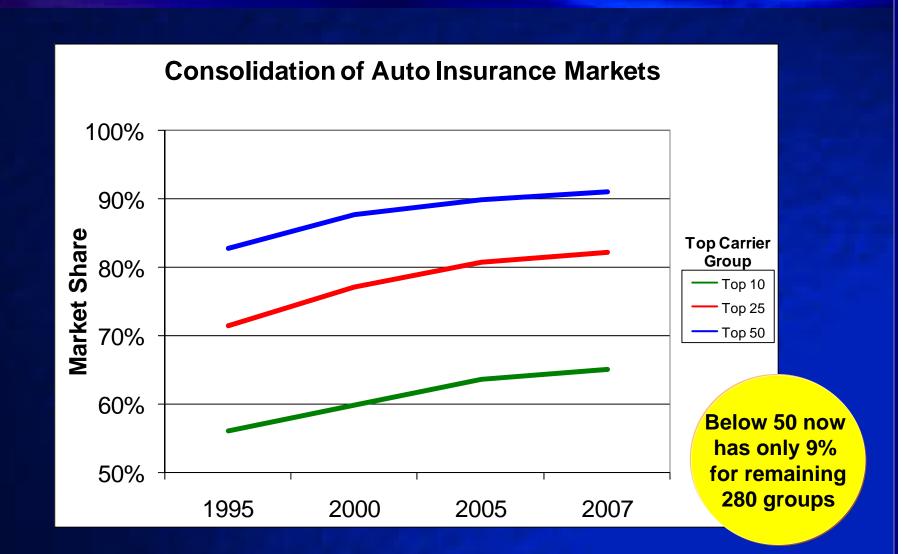
Private Passenger Auto: Top 25 Writers Market Share



Indication of Increased Competition



Indication of Increased Competition



How Analytics Fuel Competition

My Book of Business (Actual Cost per Policy)			My Rate (Average)	Total <u>Revenue</u>
\$600	\$800	\$1000	\$800	\$2400
\$600	\$800	\$1000	\$900	\$1800
\$600	6880	\$1000	\$1000	\$1000

If your competitor has advanced analytics, your book and your profitability are vulnerable

Analytic Value Effort Framework

Reporting = "Having the data"
Timeliness and accuracy
Reports and Tables
Surfacing data with agility

Descriptive Analyses = "Seeing the data"

Scorecards / Measurements

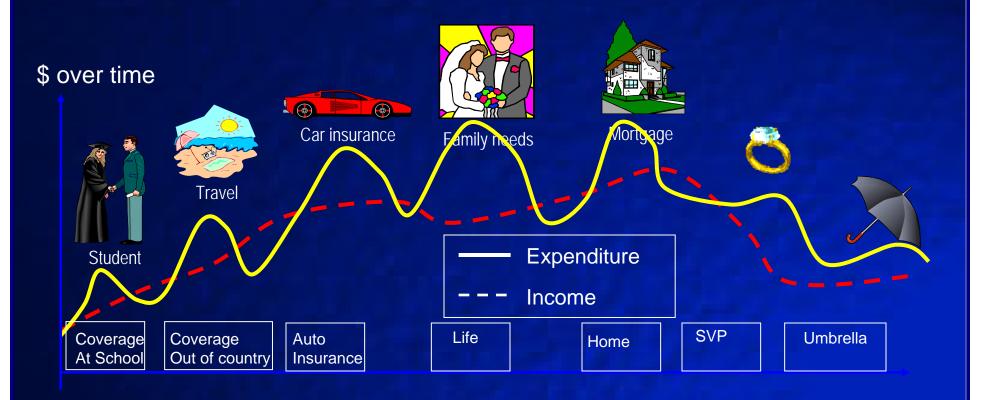
Profiles and Exceptions

Segmentation

Analytic Modeling = "Knowing the data"
Understand Trends
Evaluate Business Practices
Choice Models and "What ifs"

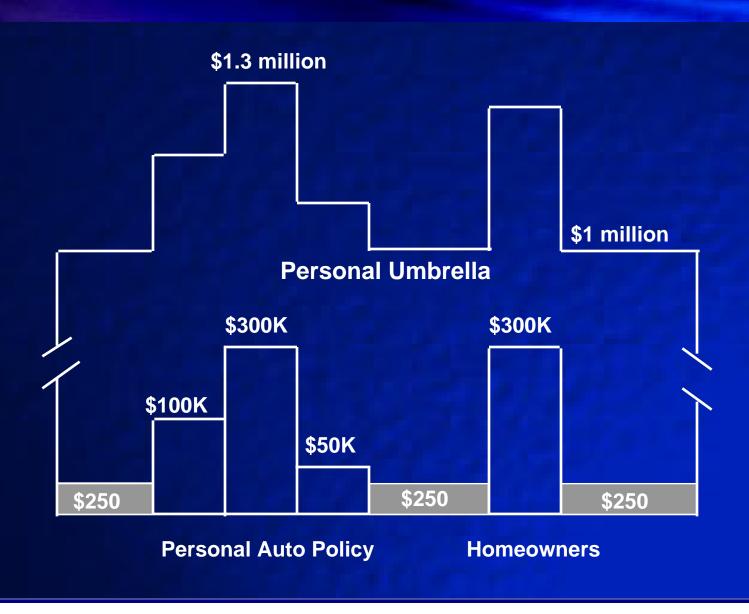
Predictive Analytics = "Acting on the data" Informed decision-making Actionable Information Engines

Customer Focus: Products across life stages

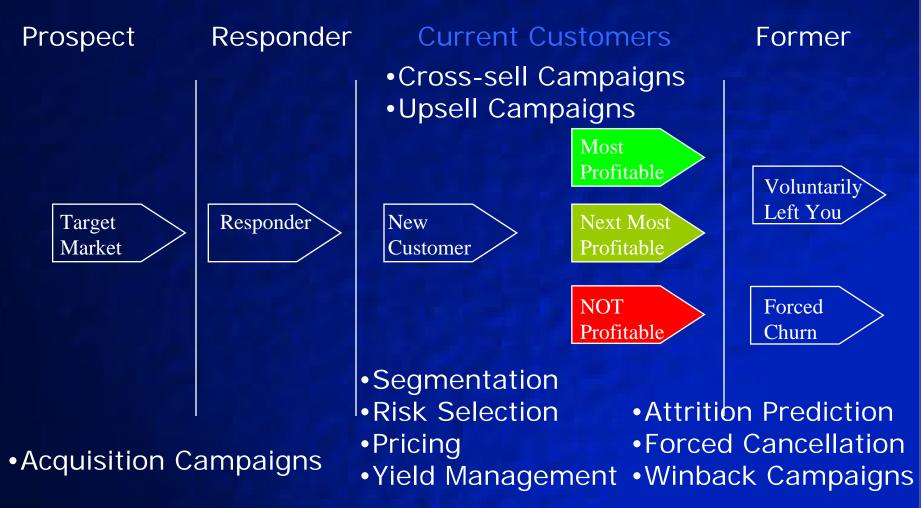


As income increases, the needs for insurance grow

Stackable Coverage can show 'wallet share' of customers and point out opportunities for cross-sell and up-sell



Optimization using Customer Life Cycle Management Best Practice use of CLTV is to incorporate it into all stages during a customer's lifecycle and longevity



Case Study: Database Marketing Implementation Approach

SERVICE DIFFERENTIATION BASED ON "PORTFOLIO POSITION"

Most Profitable

Retention Programs

Cross-sell / Up-sell

Next Most
Profitable

Loss Control Services

Agency Contact

Re-underwriting

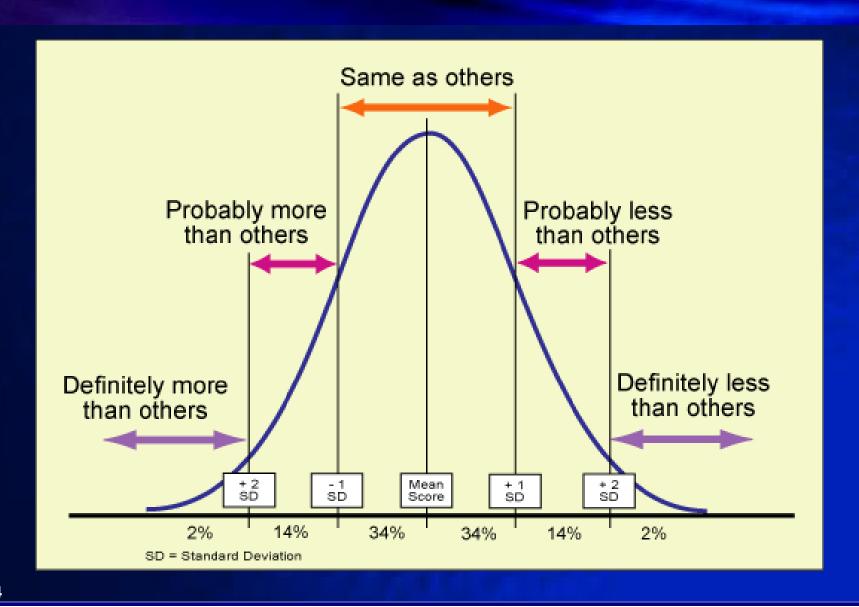
Cross-sell / Up-sell

NOT Profitable

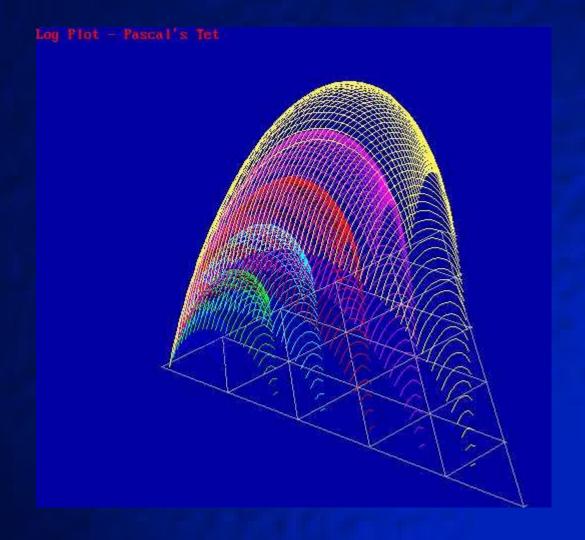
Forced Churn (where legally appropriate)

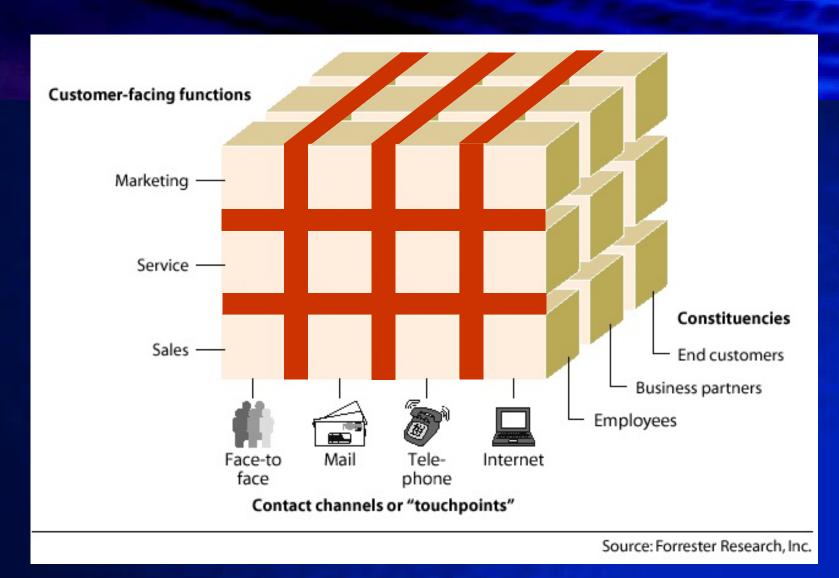
Price to Risk

Portfolio View for Underwriting Analysis



Grow Your Book in the Right Direction





A vast array of CRM applications demand a common glue -- Analytics

Sales Funnel **Universe of all Prospects Process Lead Gathering Your Selected Prospects** and Targeting Cold Lead Warm **Lead Qualification** Hot **Sales Pipeline Opportunity** Selling, Customer Contracting Analyze, learn, grow customer 17

General Advertising and Direct Mail – A Simple Comparison

Advertising

Mass

Competitive Attention

Breadth

Remember

Impression

Pay for Everyone

Direct Marketing

Targeted

Selective Attention

Depth

Respond

Decision

Pay for Targets

Selection Factors

- Consumer Lists
 - Age
 - Income
 - Gender
 - Marital Status
 - Homeowner
 - Dwelling Type (home or apartment)
 - Mail order buying (by product type)
 - Interests
 - Presence of children
 - Geospatially derived estimated loss costs

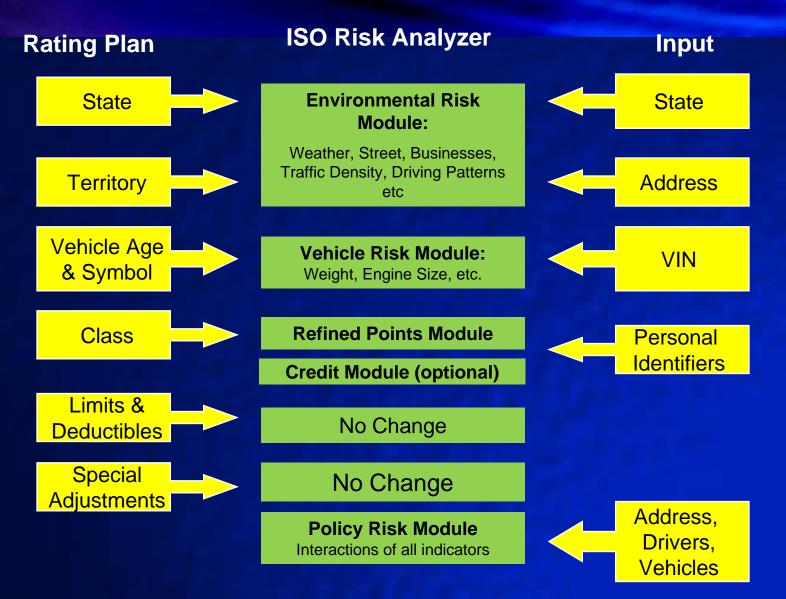
- Business Lists
 - SIC (Standard Industrial Classification)
 - Employee Size
 - AnnualSales/Revenue
 - Title
 - Any other information captured on subscription form (publications)
 - Corporate linkage information
 - # of years in business
 - Geographical (zip, SCF, county, state)
 - Credit information

Data Driven Campaign Management and Pricing Optimization



ISO Risk Analyzer® Personal Auto Framework

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ISO Risk Analyzer® Personal Property Framework

Old Rating Plan

State

Territory

Construction, Protection, AOI

Prior claims, Credit score

New By Peril Rating Plan

Refined Home Risk Factor:

Weather, Demographic, Distance to Businesses, ISO Stat Plan, BCEGS, mold, Location, AOI, etc.

Resident Risk Factor:

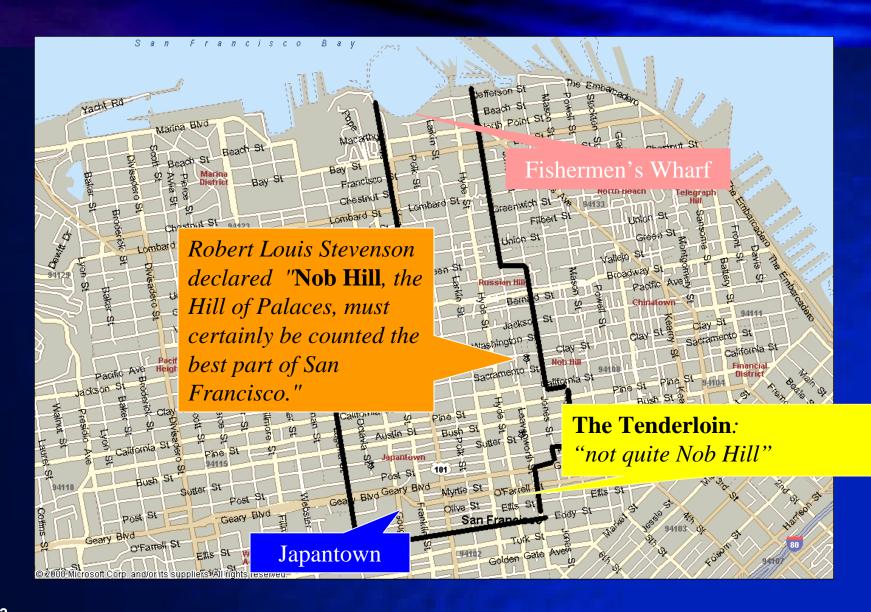
Loss Histories, Gender, Age, Marital Status, Pets, Smoking, etc.

Credit optional

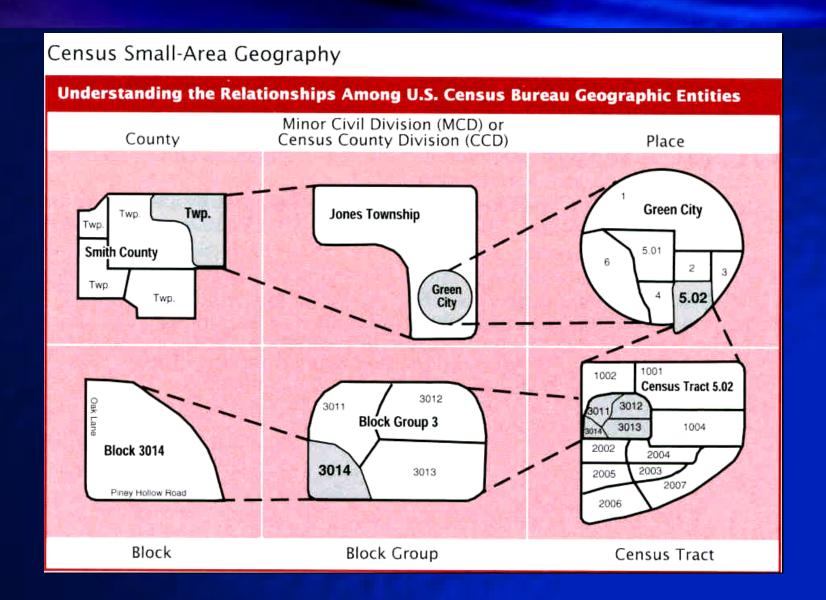
Total Policy Risk

Interactions of all indicators

ZIP Code 94109: A Tour



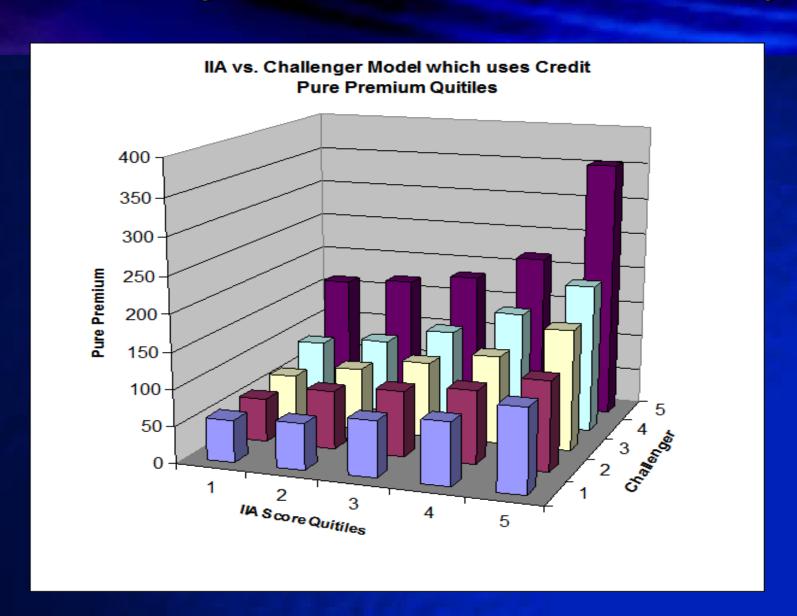
Small-Area Geography Overview

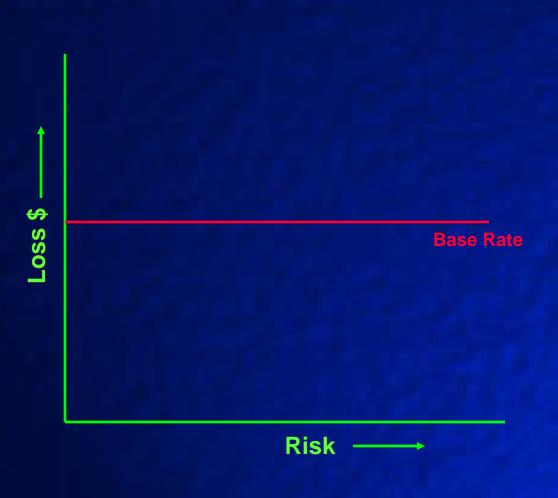


Newark NJ Area Combined Relativity

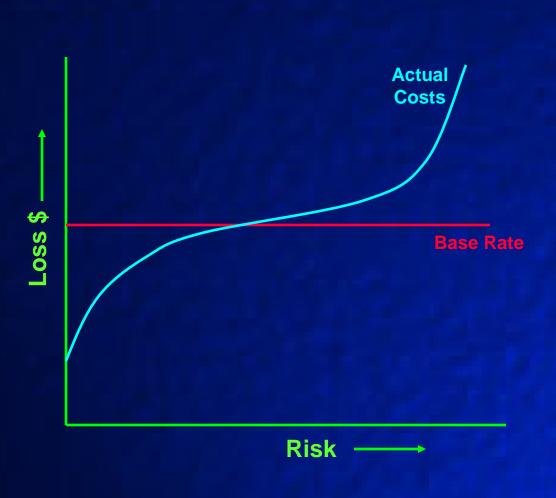


Combining Risk Scores for Marketing

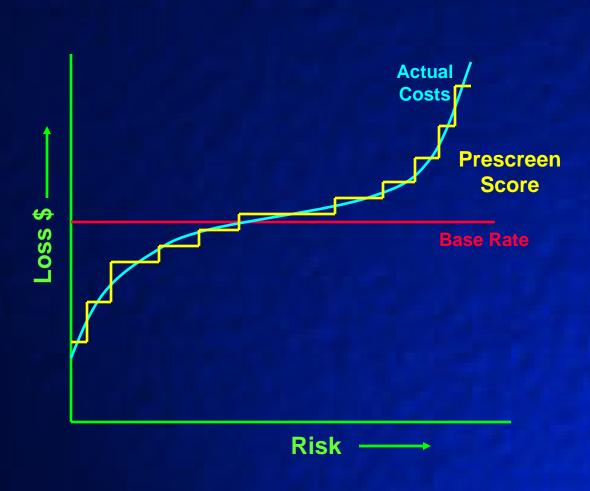




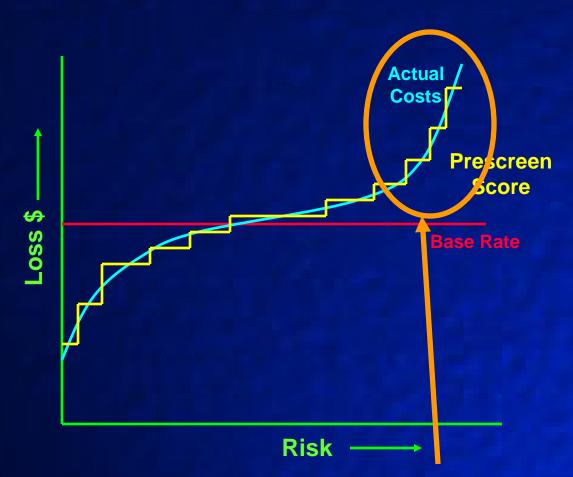
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Users of Prescreen can let their competitors waste resources chasing these marginal accounts!

Summary

- Portfolio Management is a key to future success
- Sophisticated risk-based pricing will be essential
- Marketers can use sophisticated models
- Underwriting processes should be a focal point

It is not a competitive advantage if you don't use it

