







- What it's all about!
- > Data Mining



WWF Worldwide



+100

In over 100 countries on 5 continents

+5,000,000

Supporter



+5,000

1961

Employees

Founding year

Mission: stop the degradation of the planet's natural environment and to build a future in which humans live in harmony with nature.





WWF Switzerland

98%

Awareness



180

Employees

40 Mio.

Income

260'000

Supporters

WWF focusses on:

- .. conserving the world's biological diversity
- .. ensuring that the use of **renewable natural resources** is **sustainable**
- .. promoting the reduction of pollution and wasteful consumption









- > What it's all about!
- > Data Mining Menu

« mise en place »

Appetizer

Main dish

Dessert





« mise en place »

Daita understood und prepared

Data Mining Infrastructure built

Privacy protection settled

Translated into Data Mining Goals

Business Goals formulated

Business Understanding worked out









Agenda

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Appetizer
Our segmentation

Main dish

Dessert





1st level segmentation

legal entities

major donors

prospects

adults

Income: CHF 25 Mio. (60%)

former supporters

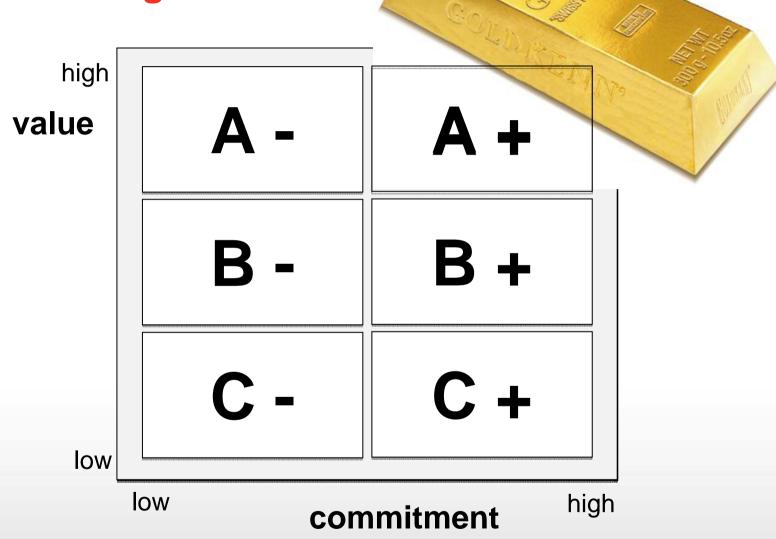
children & adolescents





2nd level segmentation











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Appetizer Management of return shipments

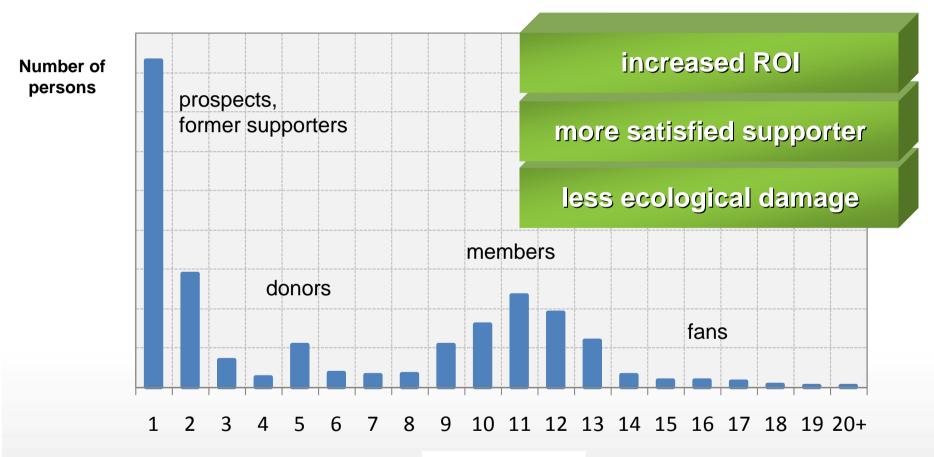
Main dish Fundraising mailings

Dessert





Optimization of the selection for mailings



Number of mailings in 2009



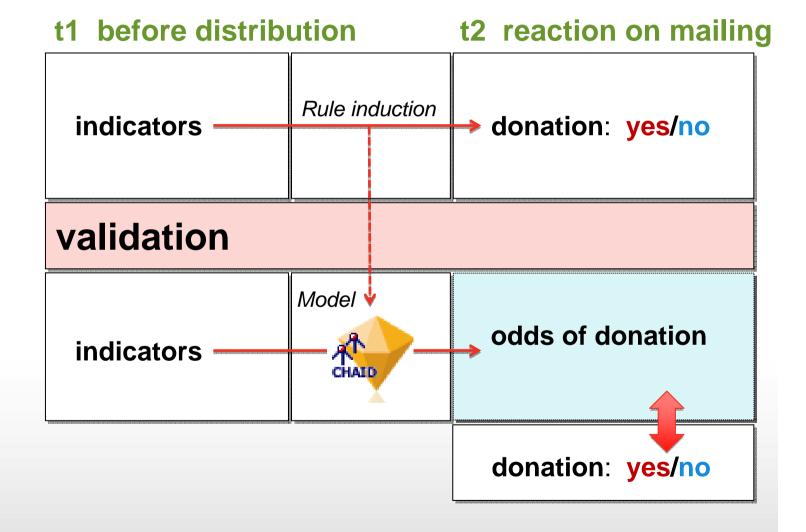




Modelling: learning from the past

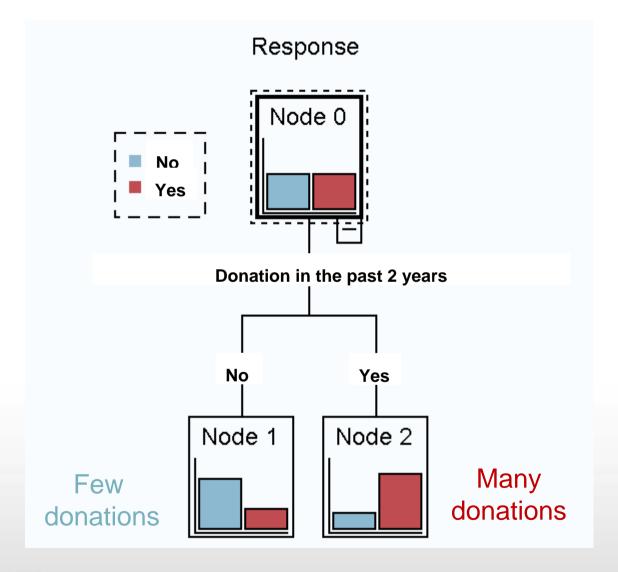
TrainingMailing A

Forecast Mailing B





Type of model: decision tree

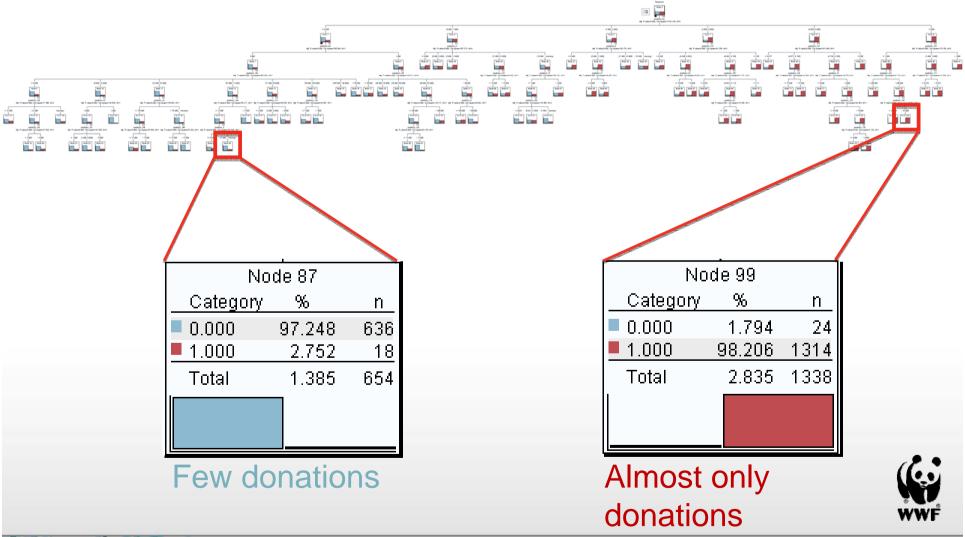






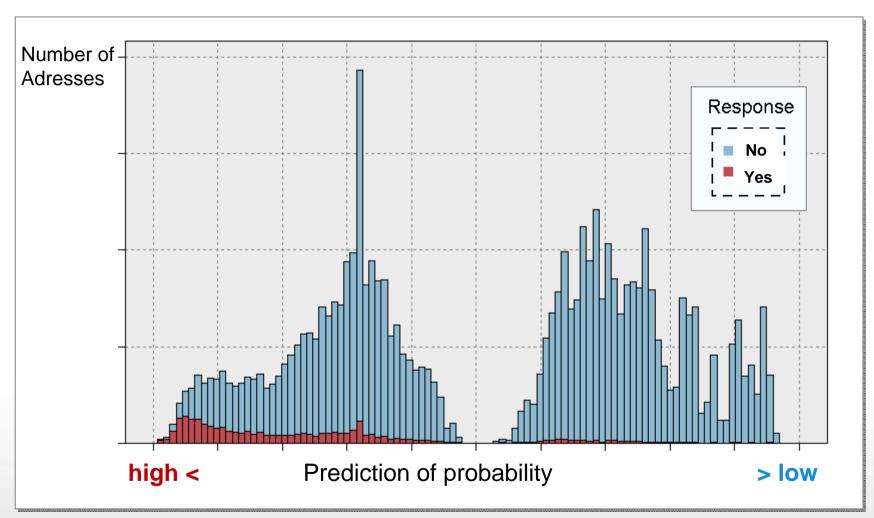


The whole decision tree



Prediction applying the model to new data

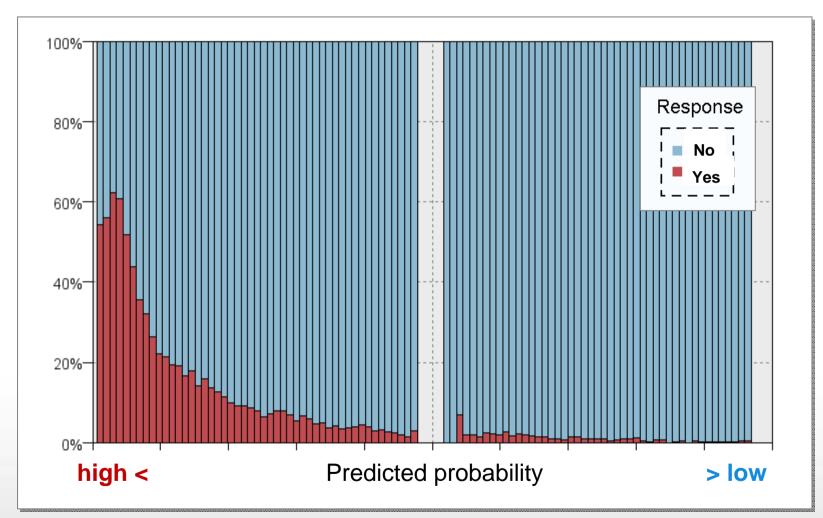






Prediction applying the model to new data



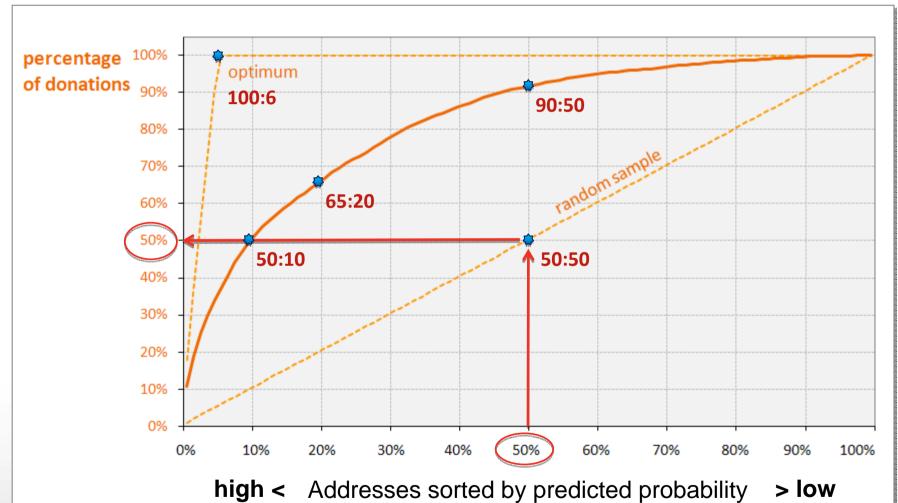






Model performance **Gains chart**

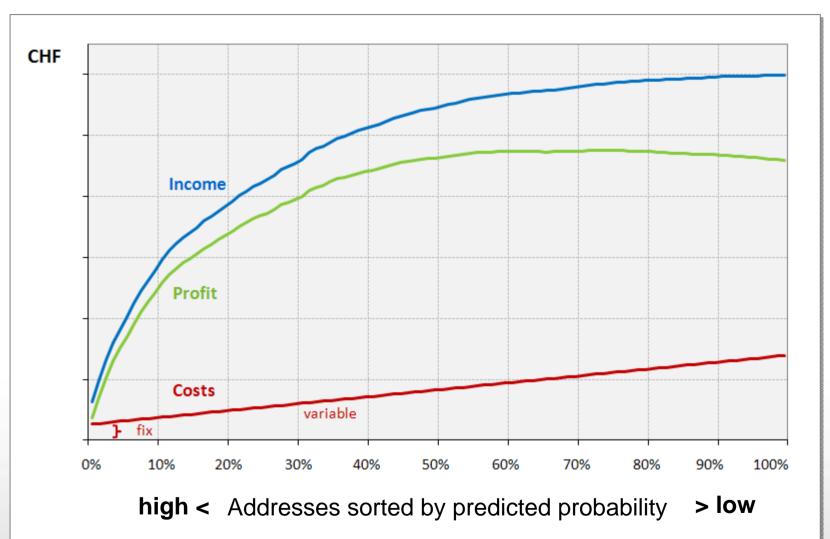






Model performance **Monetary**

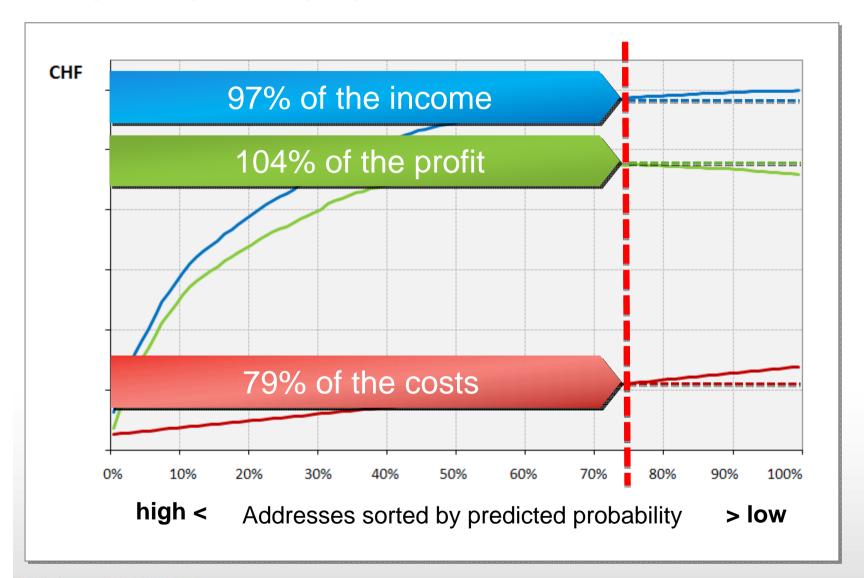






Determine the cut of point **Profit maximization**



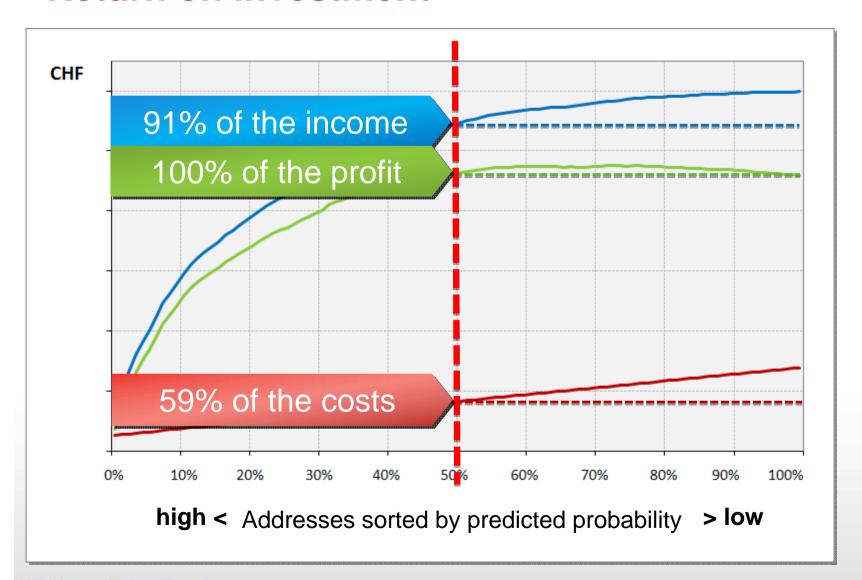






Determine the cut of point 2 Return on investment

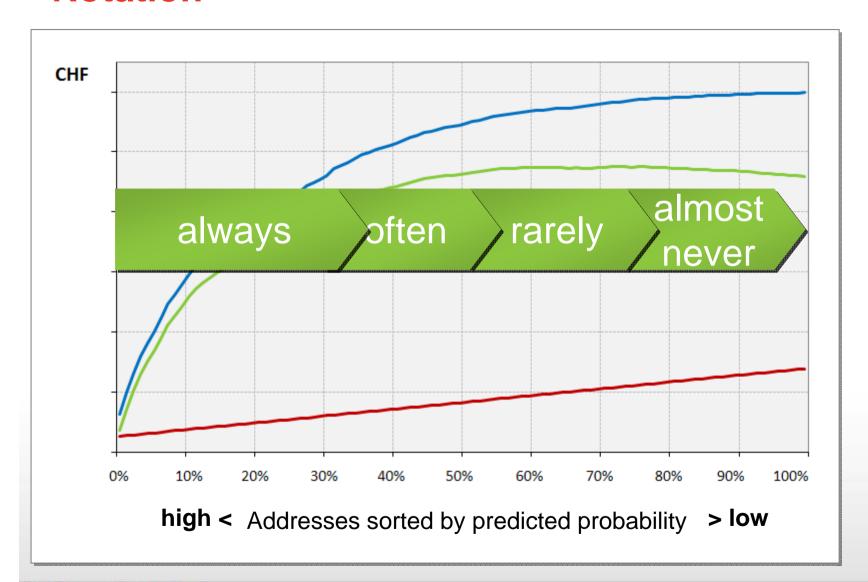






Determine the optimal frequency Rotation



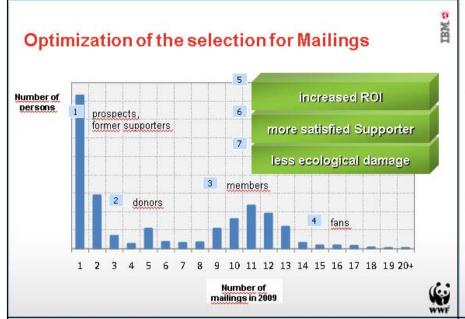


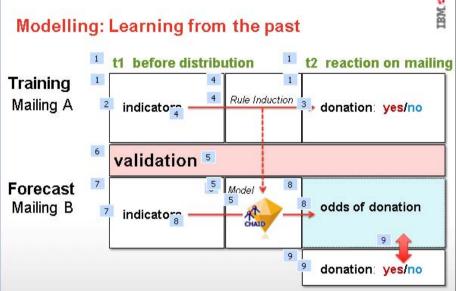




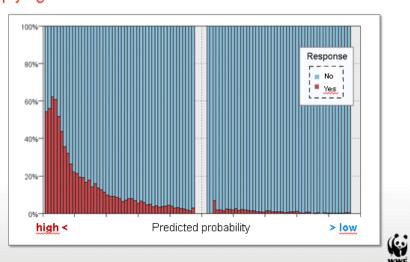
Summary



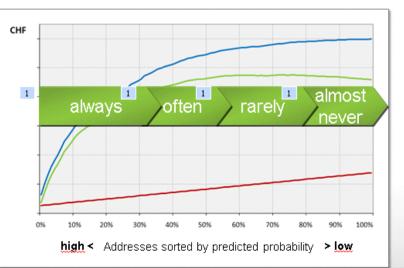




Prediction applying the model to new data













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What else we use IBM SPSS Modeler for

- Modeling for Cross-/Upselling
- Ad hoc analyses for strategic decisions
- Returning analyses
 - Monthly Cockpit
 - Analyses on the Level of products and campaigns
 - Data quality checks





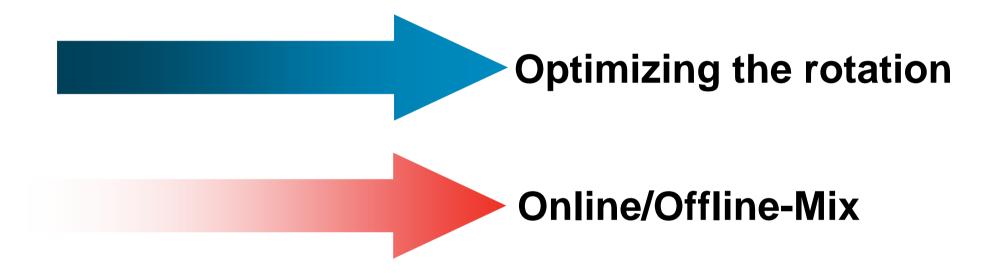
Successes

- ✓ From gut instinct to knowledge
 Implementation of organizational transformations
- ✓ More value for donated money
 Increased return on investment
- ✓ Several marketing-changes resulted





Future







Thank you!









