DeVision «Data Analyzer»

made in
FBS

« Data Analyzer» is an flexibly customizable tool allowing visual analysis and study of the Bank credit history, identification of the interdependence between the results achieved and the key attributes of customers, evaluation and improvement of the effectiveness of scoring models the Banks uses to assess the credit worthiness of borrowers.
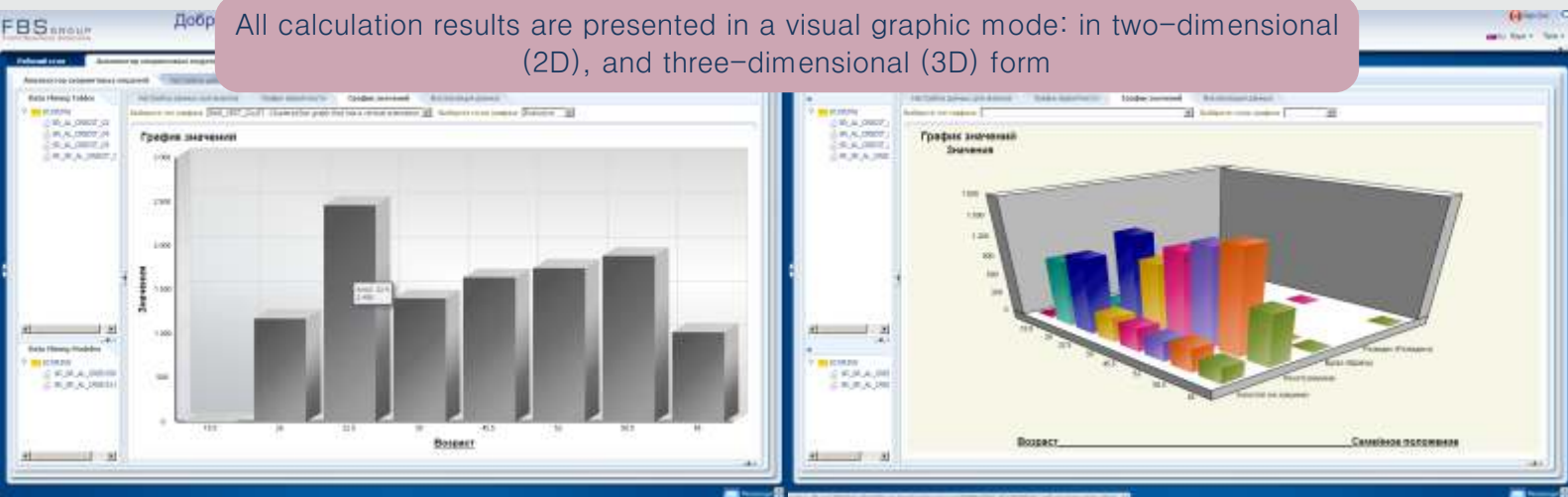
INITIAL DATA ANALYSIS

Data Analyzer allows a thorough examination of the Bank's loan history and to identify hidden interdependencies between such parameters of the loan application, as socio–demographic characteristics of the customer and the parameters of the loan granted, on the one hand, and the level of delay (amount, duration), profitability of loan agreements, customer preferences, etc., on the other hand. Data obtained following this analysis serve as an objective basis to understand the risk factors for non–repayment of the loan, the ways to increase the profitability and the formation of an effective range of Bank products for different customer target segments with which the Bank operates.
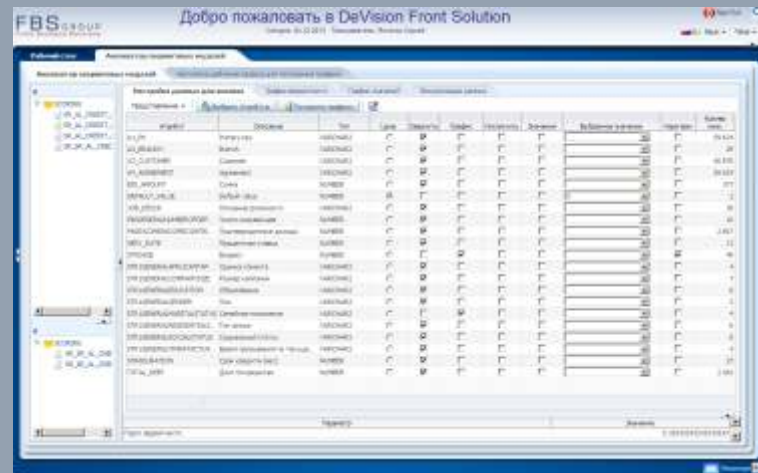
CUSTOMIZING THE TARGETED TYPES OF ANALYSIS

Data Analyzer allows the Bank to flexibly adjust an unlimited number of different targeted functions for a detailed analysis of the historical data in different sections based on the Bank needs. Targeted functions may refer to: distribution of the sum of interest paid, regularity of interest payment, distribution of duration / amount of indebtedness, distribution of default (loan non–repayment), distribution of profitability, etc. Analysis is carried out in the context of socio–demographic parameters of the customers: age, education, marital status, social status, etc.

All calculation results are presented in a visual graphic mode: in two–dimensional (2D), and three–dimensional (3D) form

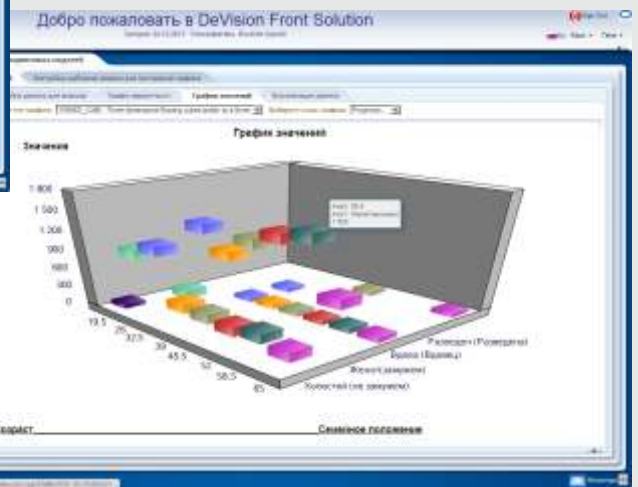## MANAGING THE EFFECTIVENESS OF MODELS

Data Analyzer is used together with statistical data analysis tool Oracle Data Miner and the "Credit Scoring" module aimed to build and manage the scoring models. The analyzer allows a visual assessment of the accuracy of scoring models used by the Bank and the increase of their efficiency.

For each loan product of the Bank several different scoring models could be prepared corresponding to different variants of the Bank credit policy, for example, aimed at different levels of risk, different levels of profitability or targeted at different customer segments. The models prepared are integrated into credit conveyor aiming at scoring assessment and become functional within the process of receiving and processing of customers' loan applications, influencing the decision to grant or refuse to grant the loan.

Using the "Credit Scoring" module the Bank is able to efficiently manage and switch the scoring models in the credit conveyer thus determining the loan risk policy active from that very moment for the Bank as a whole, based on the current market situation and current objectives.

> "Data Analyzer" enables visual evaluation and improvement of the scoring models effectiveness

Always in progress!