



# **SPSS Homework Predictive Analytics WEEK 5**



**Data Science  
Academy**

**Homework**



**Disclaimer: Homework is made up for educational purposes.**

**Answer the following questions.**

1. Import the data set `turnover_babushkin.csv` to SPSS Modeler and find relationships between following variables. You should use Feature Selection, CHAID, Means and Regression nodes once for each question.
  - a. Gender and all numeric variables
  - b. Left\_company and other variables
  - c. Tenure and other variables
  - d. Gender and other variables
2. In "**Train.csv**" dataset indicate "Loan\_status" as target. Build model using Logistic Regression, CHAID, SVM, CRT.
3. Use Auto Classifier node and build the best model according to the result.
4. Use ROC, Confusion matrix, AUC and analysis node to explain the output.