ClearVu Analytics Add-In for Microsoft Excel

*Beyond**Analytics***

ClearVu
Analytics Excel Add-In

www.divis-gmbh.com

Automatic Machine Learning with Microsoft Excel

Automatic Machine Learning — shortly AutoML — is the key technology for data driven prediction with artificial intelligence. Our ClearVu Excel Add-In enables you to easily use this technology directly from the Excel user interface to build forecasting models for your data sets. The underlying technology is our powerful ClearVu Analytics software, which performs the corresponding calculations in the background. You can use this application to build forecasting models, for example, to predict the value of a real estate, depending on its characteristics and the surroundings.
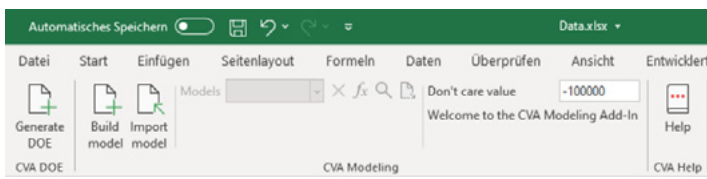

Fig.1 The Excel Add-In user interface embedded in the Excel ribbon.

Functionality — build and import models & generate DOE (design of experiment)

The essential functions of our Add-In are the automatic generation of a prediction model ("Build Model") and the import of an already existing model ("Import Model"). The quality measures of the models and graphical visualizations of the predictions are also shown in the Excel sheet so that users can interpret and evaluate the models. The models can then be used as cell functions for making predictions.
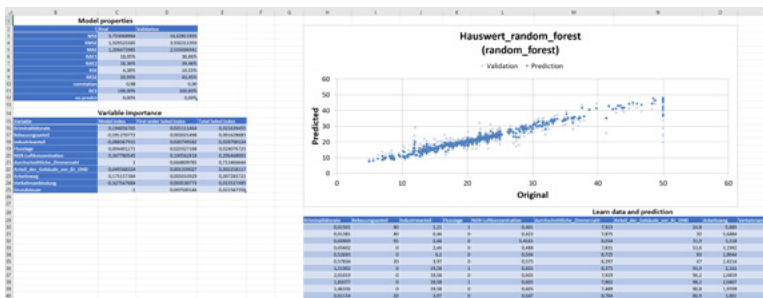

Fig.2 The quality measures and graphical visualizations of the model predictions are immediately made available in the Excel sheet.

Our Excel Add-In also supports the design of experiments in case no data is available yet for the modelling. An experimental plan enables you to optimally cover the experiment design space to get information about the whole design space. The data generated from the experiments is then being used for the modelling process. This approach is particularly useful for planning laboratory experiments.

Widely applicable:

+ Physicochemical properties of a formulation (e.g., stability of cosmetics)

+ Quality of the product, depending on the production parameters

+ Viscosity of a formulation, depending on its composition

+ Purchase probability of a product, depending on customer characteristics

+ Asset evaluation based on the asset's attributes

+ Strength of adhesives, depending on process parameters

State of the art modelling algorithms:

+ Support Vector Machines

+ Decision Trees

+ Random Forests

+ Gaussian Processes

+ Artificial Neural Networks

+ Generalized Linear Models

+ Automated Hyperparameter Optimization

Price

+ 199 € (net) per license / year

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