

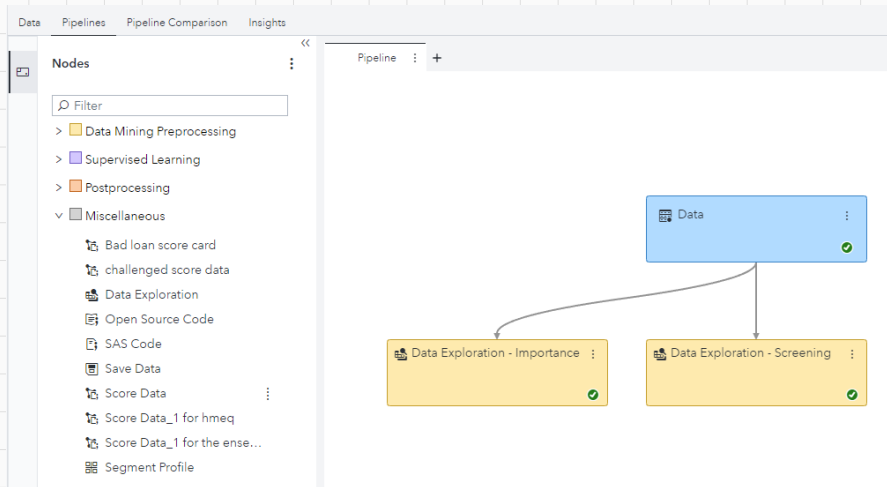
Kafelek

"Data Exploration"

Location

"The Data Exploration node can be placed anywhere in a pipeline, except after the Model Comparison node."

Location



Execution modes

"The node's two modes display either the most important inputs or the suspicious variables."

Dwa tryby pracy

- Importance.
- Screening.

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Importance *"the results display a bar chart of input variables, ranked by importance"*

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Screening *allows "to control the selection of suspicious variables by specifying cutoffs"*

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Importance *"the results display a bar chart of input variables, ranked by importance"*

Screening *allows "to control the selection of suspicious variables by specifying cutoffs"*

Both *"can display a three-dimensional nonlinear projection of interval inputs using t-Distributed Stochastic Neighbor Embedding (t-SNE)"*

Both *"can display Target by Input Crosstabulations"*

Both *"can display Interval Variable Moments"*

Both *"can display Interval and Class Variable Summaries"*

Dwa tryby pracy

- Importance.
- Screening.

Importance The TREESPLIT Procedure is used to determine variables importance.
Documentation:

https://documentation.sas.com/doc/en/casstat/8.3/casstat_treesplit_details20.htm

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t-SNE allows to visualize multidimensional(nD) data in low dimensional space (for example in 2D or 3D).

Explanatory video: <https://www.youtube.com/watch?v=MnRskV3NY1k>

Introduction notes:

<https://medium.com/@sachinsoni600517/mastering-t-sne-t-distributed-stochastic-neighbor-embedding-0e365ee898ea> (EN)

<https://mirosławmamczur.pl/jak-dziala-metoda-redukcji-wymiarow-t-sne/> (PL)

Demo

sashelp.homeequity and sashelp.cars $\times 2$

Documentation:

https://documentation.sas.com/doc/en/capcdc/v_025/vdmlcdc/vdmlref/n0fixk3anv1knqn1dbu4i470maot.htm

SAS Communities Article:

<https://communities.sas.com/t5/SAS-Communities-Library/The-Usefulness-of-the-Data-Exploration-Node-in-Model-Studio/ta-p/733037>