DataProc

There are a number of specialized data processing functions, including data base, data analysis & statistics, data generation, image processing, and basic math operations that can be performed on a DataTable object.

See DataProcTutorial for a thorough Tutorial introduction to all of this functionality.

- **DataBase** -- data-base style operations including Sort, Join, Group, Select, etc, and other basic manipulation operations on data tables.
- **DataAnal** -- analysis and statistics, including distance matrices, dimensionality reduction (clustering, principal components analysis (PCA), multidimensional scaling), plus smoothing functions.
- **DataGen** -- data generation (creating patterns of data), including managing and ordering lists of conditions for experiments (crossing factors, frequency replicating), random pattern generation, simple graphical drawing routines, basic math operations.
- **ImageProc** -- specialized image processing functions that apply filters to bitmap images so that a network can more easily process them, and other image transforms.
- **Math** -- basic mathematical functions that can be applied to scalars, vectors, and matrices.
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