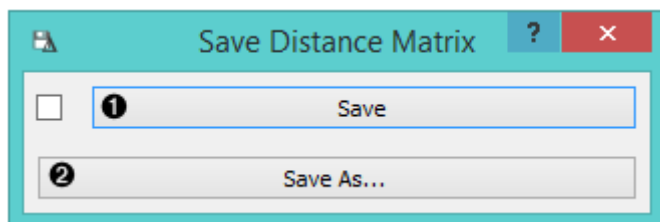# Save Distance Matrix

Saves a distance matrix.

If the file is saved to the same directory as the workflow or in the subtree of that directory, the widget remembers the relative path. Otherwise it will store an absolute path, but disable auto save for security reasons.
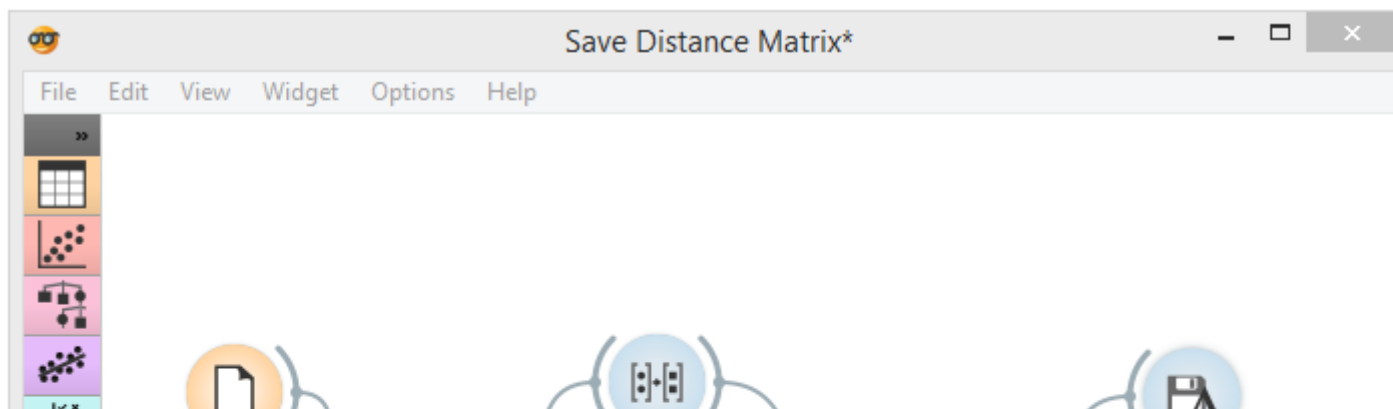
Inputs

- Distances: distance matrix

1. By clicking *Save*, you choose from previously saved distance matrices. Alternatively, tick the box on the left side of the *Save* button and changes will be communicated automatically.
2. By clicking *Save as*, you save the distance matrix to your computer, you only need to enter the name of the file and click *Save*. The distance matrix will be saved as type *.dst*.

Example

In the snapshot below, we used the Distance Transformation widget to transform the distances in the *Iris* dataset. We then chose to save the transformed version to our computer, so we could use it later on. We decided to output all data instances. You can choose to output just a minor subset of the data matrix. Pairs are marked automatically. If you wish to know what happened to our changed file, see Distance File.

File

Distance
Transformation

Save Distance Matrix

Distances

Distance Matrix
(Inversion)

Save Distance Matrix   ?   ×

Save

Save As...

Distance Matrix (Inversion)

	Iris-setosa	Iris-setosa	Iris-setosa	Iris-setosa	Iris-setosa	Iris-setosa	Iris-setosa	Iris
Iris-setosa		-0.539	-0.510	-0.648	-0.141	-0.616	-0.520	
Iris-setosa	-0.539		-0.300	-0.332	-0.608	-1.091	-0.510	
Iris-setosa	-0.510	-0.300		-0.245	-0.510	-1.086	-0.265	
Iris-setosa	-0.648	-0.332	-0.245		-0.648	-1.166	-0.332	
Iris-setosa	-0.141	-0.608	-0.510	-0.648		-0.616	-0.458	
Iris-setosa	-0.616	-1.091	-1.086	-1.166	-0.616		-0.995	
Iris-setosa	-0.520	-0.510	-0.265	-0.332	-0.458	-0.995		
Iris-setosa	-0.173	-0.424	-0.412	-0.500	-0.224	-0.700	-0.424	
Iris-setosa	-0.922	-0.510	-0.436	-0.300	-0.922	-1.459	-0.548	
Iris-setosa	-0.469	-0.173	-0.316	-0.316	-0.529	-1.010	-0.480	
Iris-setosa	-0.374	-0.866	-0.883	-1.000	-0.424	-0.346	-0.866	
Iris-setosa	-0.374	-0.458	-0.374	-0.374	-0.346	-0.812	-0.300	
Iris-setosa	-0.592	-0.141	-0.265	-0.265	-0.640	-1.162	-0.490	
Iris-setosa	-0.995	-0.678	-0.500	-0.520	-0.975	-1.572	-0.616	

Labels: D iris   Report   ☑   Send Automatically