Compute Similarity

This XTensions allows quantifying the degree of the similarity of a set of objects with the pre-selected reference object(s).

This function creates a new statistical value, which can be used under the Filter, Statistical and Color tab.

To create Similarity Statistic Value:

1. Select the reference objects according to your requirements

2. Enter an appropriate name for the new statistical value.

3. In the Similarity-Selection Box select one statistical value or in combination them from the list.

4. To select a statistical value, click on the name of the variable in the list. For multiple selection use Crtl +click. The newly created statistical value is based upon the aggregate weighted value of the statistical characteristics of the selected object(s).

5. The Matlab window confirms the creation of the new statistical value.

The benefits of the Similarity Statistic Values function are the precise identification of the objects with similar complex statistical properties or on the other hand, it offers the benefit of determining the objects which are the least similar to the reference object