

Map of Science via Journals

Description

The Map of Science is a visual representation of a network of 554 subdisciplines of science (grouped into 13 overarching disciplines) and their relationships to one another. Over top this visualization is drawn the result of mapping a dataset's journals to the underlying subdiscipline(s) those journals contain. Mapped subdisciplines are shown with size relative to the number matching journals and color from the discipline.

For more information on maps of science, see mapofscience.com and [UCSD Map](#).

Recommendation

It is recommended to clean your journal names using [Reconcile Journal Names](#) algorithm before using this visualization algorithm.

Menu Path

Visualization > Topical > Map of Science via Journals

Input Parameters

Name	Description	Notes
Journal Column	A column of the input table that identifies a journal name on each row	
Scaling Factor	An absolute scaling factor that will be multiplied through all subdiscipline circle sizes	Leave this set to the default value <i>auto</i> for automatic scaling
Dataset Display Name	Any custom data description text you would like to include in the visualization	
Simplified Layout?	If selected, a simpler visual configuration will be used	The simpler template contains only the visualization, footer, copyright info, and legend
Show Export Window?	If selected, a graphics window showing the visualization will pop-up when the algorithm finishes running	You can use the export window to preview the visualization result and save it to a variety of output image formats

Output

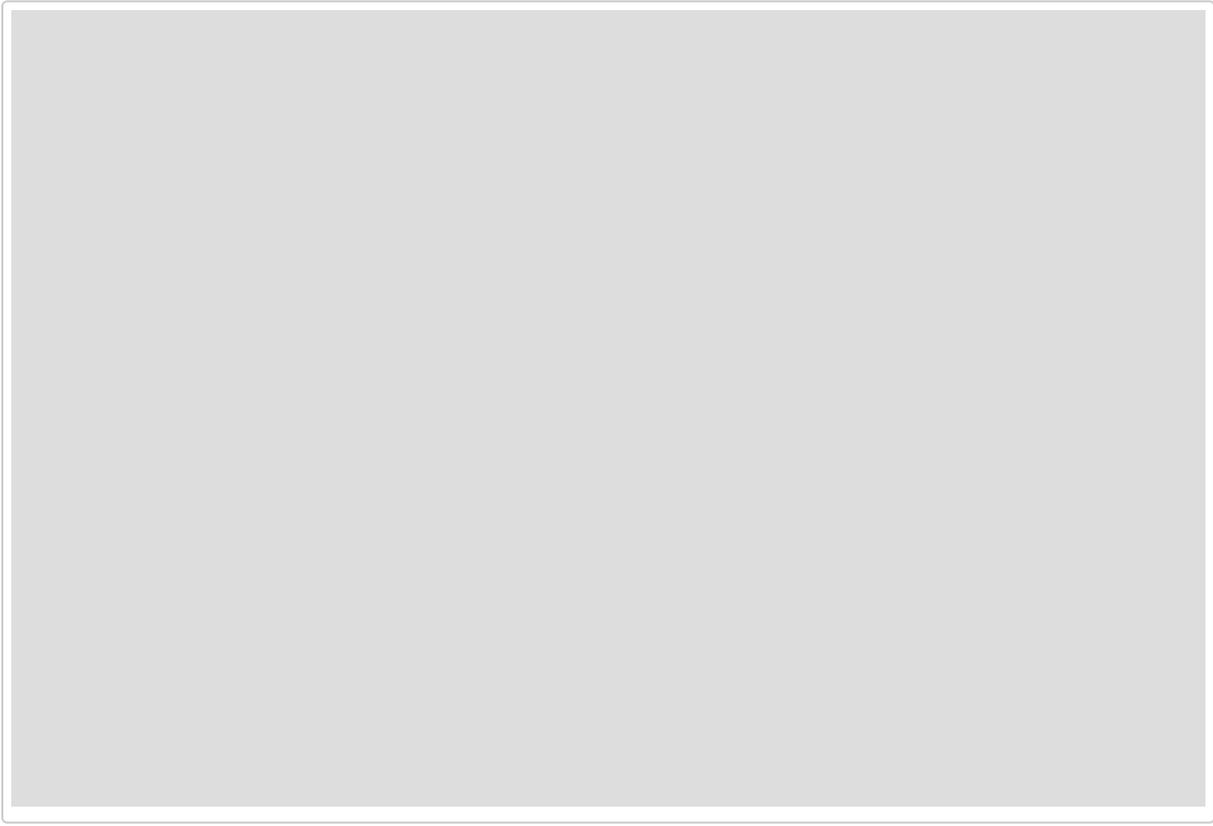
Name	Description
Journals Located	A table giving the number of occurrences of each journal in the input data that was successfully located on the map of science
Journals Not Located	A table giving the number of occurrences of each journal in the input data that was not successfully located on the map of science
Map of Science Visualization	The visualization as a PostScript file, suitable for viewing and printing

Sample Visualizations

Standard Layout



Simplified Layout



Usage Hints

See Also



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UCSD Map of Science

- [What it is](#)
- [How it's made](#)
 - [Data used](#)