

Resource Summary Report

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Divvy

RRID:SCR_006336

Type: Tool

Proper Citation

Divvy (RRID:SCR_006336)

Resource Information

URL: <http://divvy.ucsd.edu/>

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Description: Software application for performing unsupervised machine learning and visualization with a focus on the clustering (separating data into groups) and dimensionality reduction (finding low dimensional structure in high dimensional data) subfields of machine learning. For visualization we provide support for both the whole dataset (e.g. a scatter plot) and points (e.g. transforming a particular point into an image). * Endlessly extensible. Every clusterer, reducer, point visualizer and dataset visualizer in Divvy is a plugin. We've provided a few big ones (K-means, PCA, scatter plot, &c.) and we're hoping the community will use our plugin protocol to build many more. Each plugin defines its own UI, so your algorithm can look and behave the way that you want it to without top-down constraints. * Have lots of cores? Divvy is both task and data parallel. No longer will you be waiting for one algorithm to complete before you start another. Start as many as you want and keep using the UI. Only started one? With data parallelism we'll still push your new MacBook Pro to 800% CPU utilization. * Part of your workflow: Export your clusterings and reductions to .csv and your visualizations to .png. Use your Matlab or R data with our Matlab/R to Divvy export tools available at <http://github.com/jmlewis/divvy>.

Abbreviations: Divvy

Resource Type: software application, data analysis software, source code, software resource, data processing software, data visualization software

Keywords: data analysis, cluster, machine learning, visual analytics, data visualization, plugin, k-means, principal component analysis, scatter plot

Funding: NSF 0963071

Availability: MIT License

Resource Name: Divvy

Resource ID: SCR_006336

Alternate IDs: nlx_152038

Record Creation Time: 20220129T080235+0000

Record Last Update: 20260729T044134+0000

Ratings and Alerts

No rating or validation information has been found for Divvy.

No alerts have been found for Divvy.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Zhou X, et al. (2015) Understanding Spatiotemporal Patterns of Biking Behavior by Analyzing Massive Bike Sharing Data in Chicago. PloS one, 10(10), e0137922.