

Resource Summary Report

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Glass Box UMAP

RRID:SCR_028826

Type: Tool

Proper Citation

Glass Box UMAP (RRID:SCR_028826)

Resource Information

URL: <https://github.com/Arcadia-Science/glass-box-umap>

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Description: Software Python package for making UMAP interpretable with exact feature contributions. Used to explain why data points land in specific places on a UMAP map. Augments UMAP by computing exact feature contributions to the UMAP embedding. Standard UMAP produces embeddings but offers no insight into why points land where they do. Glass Box UMAP solves this by using a specially designed neural network that enables exact computation of feature contributions, and does so without approximations. The feature contributions are mathematically exact, validated to near machine precision.

Resource Type: software toolkit, software resource

Defining Citation: [DOI:10.57844/arcadia-4ye8-8tun](https://doi.org/10.57844/arcadia-4ye8-8tun)

Keywords: making UMAP interpretable with exact feature contributions, data points land in specific places, UMAP map,

Availability: Free, Available for download, Freely available

Resource Name: Glass Box UMAP

Resource ID: SCR_028826

License: MIT license

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Ratings and Alerts

No rating or validation information has been found for Glass Box UMAP.

No alerts have been found for Glass Box UMAP.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.