

# Resource Summary Report

Generated by [RRID](#) on Aug 5, 2026

## PHATE

RRID:SCR\_027119

Type: Tool

### Proper Citation

PHATE (RRID:SCR\_027119)

### Resource Information

**URL:** <https://github.com/KrishnaswamyLab/PHATE>

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**Description:** Software tool for visualizing high dimensional data using novel conceptual framework for learning and visualizing manifold to preserve both local and global distances.

**Synonyms:** Potential of Heat-diffusion for Affinity-based Transition Embedding

**Resource Type:** data processing software, source code, software resource, software application, 3d visualization software, data visualization software

**Defining Citation:** [PMID:31796933](#)

**Keywords:** visualizing high dimensional data, high dimensional data,

**Funding:** NICHD F31HD097958;  
NHGRI 1R01HG008383;  
NSF ;  
NIGMS R01GM107092;  
NIGMS R01GM130847

**Availability:** Free, Available for download, Freely available,

**Resource Name:** PHATE

**Resource ID:** SCR\_027119

**License URLs:** <https://github.com/KrishnaswamyLab/PHATE?tab=License-1-ov-file#readme>

**Record Creation Time:** 20250701T055345+0000

**Record Last Update:** 20260805T044608+0000

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## Ratings and Alerts

No rating or validation information has been found for PHATE.

No alerts have been found for PHATE.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Yim KM, et al. (2025) Cell-type-specific dysregulation of gene expression due to Chd8 haploinsufficiency during mouse cortical development. Cell genomics, 100986.

Youlten SE, et al. (2025) In vivo differentiation of embryonic cells devoid of key reprogramming factors. Cell reports, 44(11), 116498.