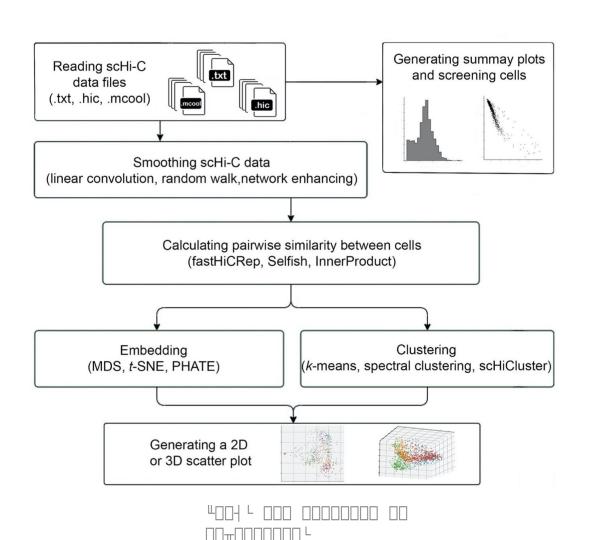
scHiCTools: A computational toolbox for analyzing single-cell Hi-C data

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W orkflow



Install from GitHub

You can install the package with following command:

```
$ git clone https://github.com/liu-bioinfo-lab/scHiCTools.git
$ cd scHiCTools
$ python setup.py install
```

Install from PyPI

```
$ pip install scHiCTools
```

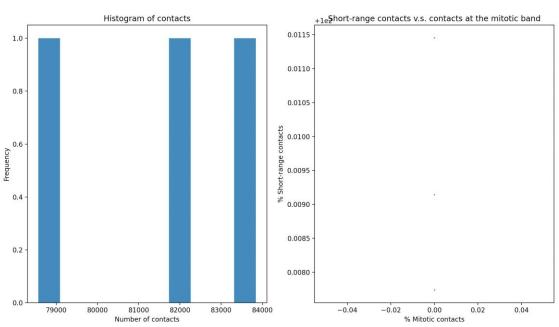
Install scHiCToo ls

Loading scHiC Data .hi .mcool

.tx

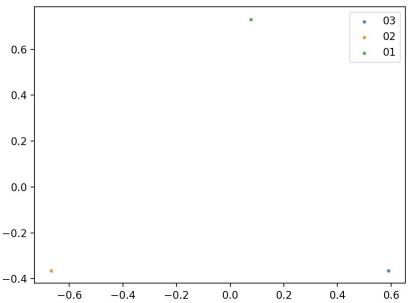
C

Plot number of contacts and select





Smoothing & Embedding Data and ualize



```
embs = loaded_data.learn_embedding(
dim = 2, similarity_method = similarity_method,
embedding_method = embedding_method,
n_strata = None,aggregation = 'median',
return_distance = False)
scatter(embs,label = ['01','02','03'],point_size = 5)
```

Compa re With Seurat

- Both of them do for analyzing single-cell
- scHiCTools is only for HiC data and Seurat is only for RNA-Seq
- The workflow of two tools is similar, but scHicTools have on more step for calculating pairwise similarity

The End