# Scanpy

## No\_preprocess

* Scanpy使用Version1.4
* Pca20\_20\_neighbor15
* 跑50次，存储格式csv

## With\_preprocess

* Min\_genes=0;min\_cells=1
* Min\_mean=0.0125,max\_mean=3,min\_disp=0.5
* N\_comps=20;n\_neighbors=15,n\_pcs=20

# Seurat

## No\_preprocess

* Npcs=20

## With\_preprocess

* Npcs=20