

Expression data

from e.g. *kallisto*, *Salmon*, *RSEM*,
featureCounts, *HTSeq*, etc.

Cell and gene metadata

from study design, expression
quantification tool, etc.

scater

QC'd SCESet object
contains expression assay
data, phenotype data,
feature data, and more, for
single-cell analysis

Normalisation

BASiCS
GRM
scran

Cell Cycle

cyclone

Differential Expression

BASiCS
BPSC
M3Drop
MAST
monocle
scDD
scde

Pseudotime

DeLorean
destiny
dpt
embeddr
monocle
ouija
SINCELL
TSCAN

Latent Variable Analysis

cellCODE
PEER
RUVSeq
svaseq

Heterogeneous Expression

BASiCS
scran

Clustering

PAGODA
RaceID
SC3
SINCERA