

cells-by-genes
count matrix

quality control

filtering

normalization
log-normalization

identification of
highly variables genes

dimension reduction
PCA

cells clustering
Louvain clustering

2D projection
UMAP, t-SNE, DM...

dataset ready
for downstream analyses

Cells level :

- expression of rRNA
- expression of mitochondrial genome genes
- low number of genes
- low number of transcripts
- homotypic doublets
- heterotypic doublets

Genes level :

- low number of cells