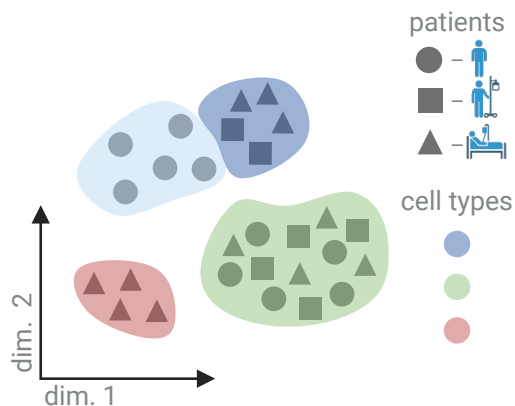


## Single-cell data



## Preprocessing

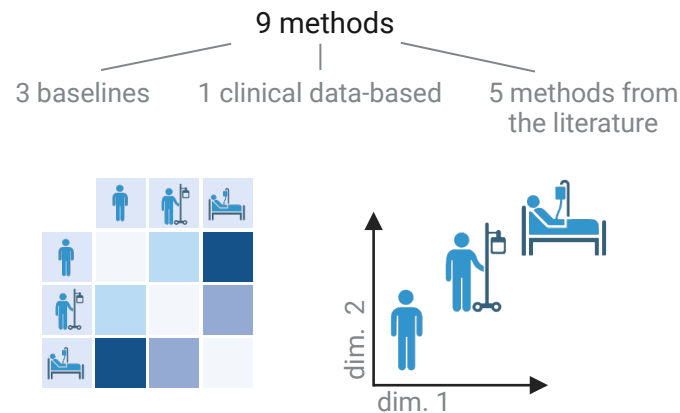
baselines

- gene expression
- PCA

variational autoencoders

- scVI
- scANVI
- scPoli

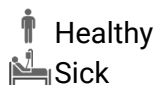
## Sample representation



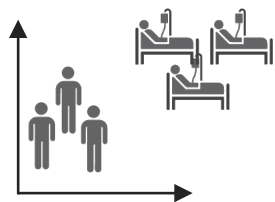
## 169 runs

## Evaluation

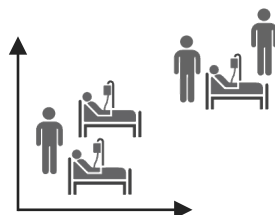
### Information retention



good



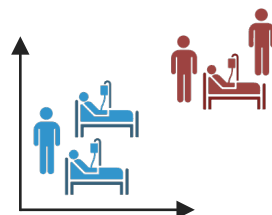
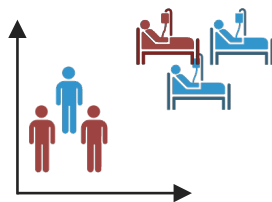
bad



### Batch removal

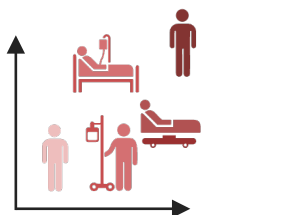
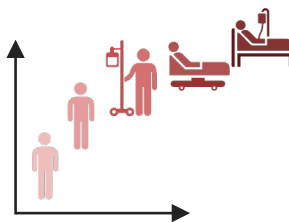
● Batch 1

● Batch 2



### Trajectory preservation

Pseudotime



### Replicate robustness

