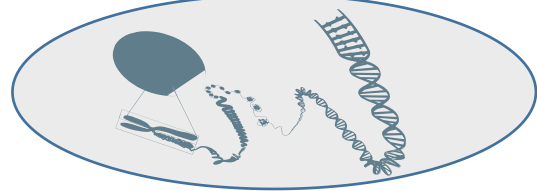


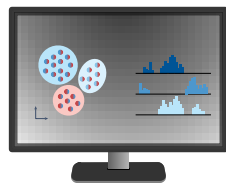
Chapter2

Biology



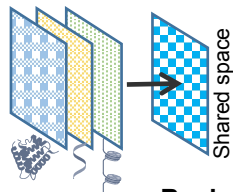
single cell sequencing

computational analysis

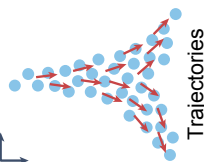


Multimodal Integration

Trajectory Inference



Background



Trajectories

Chapter3

MOJITO

Multimodal Integration



$$\arg \max_{W^{RNA}, W^{ATAC}} \cos(Z^{RNA}, Z^{ATAC})$$



PHLOWER

Trajectory Inference



$$L_1 = B_1^T B_1 + B_2 B_2^T$$

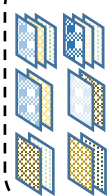


Methods

Chapter4

data sets

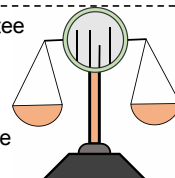
methods



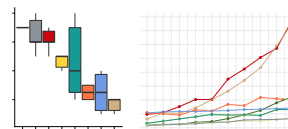
MOFA
DIABLO
Liger
scAI
MOJITO
WNN
Schema
Symphony

benchmarking

Silhouette
Structure
ARI
Time
Memory



Statistics



Integration Evaluation

Chapter5

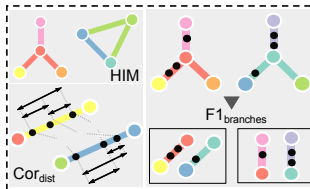
data sets

methods

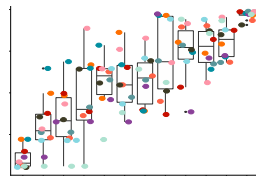


Slice
Monocle3
PAGA
MST
PHLOWER
Slingshot
TSCAN
pCreode
StemID
Celltree

benchmarking



Statistics



TI Evaluation